



**PHASE II ENVIRONMENTAL SITE ASSESSMENT
900 ALRECO
BENTON HARBOR, MICHIGAN**

for

**THE CITY OF BENTON HARBOR BROWNFIELD
REDEVELOPMENT AUTHORITY (BRA)
200 PAW PAW AVENUE
BENTON HARBOR, MICHIGAN 49022**

AND

**THE LAKESHORE ENERGY, LLC AND
THE REID GROUP, LLC
900 ALRECO STREET
BENTON HARBOR, MICHIGAN 49022**

**AKT Peerless Project No. 6976f-2-20
September 22, 2011**

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PHASE II ENVIRONMENTAL SITE ASSESSMENT

900 ALRECO BENTON HARBOR, MICHIGAN

AKT PEERLESS PROJECT No. 6976F-2-20

1.0 INTRODUCTION

On behalf of The Lakeshore Energy, LLC and The Reid Group, LLC, the City of Benton Harbor Brownfield Redevelopment Authority (BHBRA) retained AKT Peerless Environmental & Energy Services (AKT Peerless) to conduct a Phase II Environmental Site Assessment (Phase II ESA) of a property located at 900 Alreco in Benton Harbor, Berrien County, Michigan (subject property). This Phase II ESA was conducted in accordance with AKT Peerless' August 8, 2011 Phase II Work Plan/Sampling and Analysis Plan (SAP), and is based on American Society for Testing and Materials (ASTM) Designation E 1903-97 "*Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process.*"

This Phase II ESA scope of work is intended to (1) evaluate the recognized environmental conditions identified by AKT Peerless' June 14, 2011 Phase I ESA that is summarized in Section 2.4.1, and (2) evaluate levels of contamination to determine if the subject property currently meets the definition of a "facility" as defined in Part 201 of Natural Resources and Environmental Protection Act (NREPA), Michigan Public Act (PA) 451, 1994, as amended.

AKT Peerless' Phase II ESA report documents the field activities, sampling protocols, and laboratory results. AKT Peerless' Phase II ESA was performed for the benefit of the City of Benton Harbor Brownfield Redevelopment Authority, The Lakeshore Energy, LLC, and The Reid Group, LLC, whom may rely on the contents and conclusions of this report.

2.0 BACKGROUND

2.1 SITE DESCRIPTION AND PHYSICAL SETTING

Parcel A of the subject property is located in the northwest and southwest ¼ of Section 8 in Benton Harbor (Township 4 South / Range 18 West), Berrien County, Michigan. Parcel B of the subject property is located in the northeast ¼ of Section 7 in Benton Harbor (Township 4 South / Range 18 West), Berrien County, Michigan. The subject property is situated on the northern and southern sides of Alreco Street and consists of a rectangular-shaped and an irregularly-shaped parcel that total approximately 14.39-acres of land. The Reid Group, LLC is the current owner of the subject property. The subject property's parcel identification numbers are 11-54-0007-0102-03-1 (Parcel A) and 11-54-0007-0102-02-3 (Parcel B).

The following table presents additional information regarding the subject property. For ease of reference in this report, AKT Peerless has designated each of the subject property parcels with a letter. These designations have no relevance to legally recorded data about the subject property.

| Parcel | Address | Tax Identification Number | Owner of Record | Approximate Acreage |
|--------|-----------------|---------------------------|---------------------|---------------------|
| A | 900 Alreco Road | 11-54-0007-0102-03-1 | The Reid Group, LLC | 10.49 |
| B | | 11-54-0007-0102-02-3 | | 3.9 |

Refer to **Figure 1** for a topographic site location map.

2.2 SUBJECT PROPERTY HISTORY AND LAND USE

Parcel A consisted of agricultural land from at least 1930 until 1965 when an aluminum smelting facility consisting of two structures was constructed. Between 1965 and 1981 several additions and other structures were constructed including the auxiliary buildings and the bag houses (an air pollution control device that removes particulates out of air to control emissions). Currently, Parcel A contains a vacant aluminum smelting building. Identified previous occupants include Michigan Standard Alloys, Alreco Metal Inc., Harbor Diecast & Engineering, Tobian Metals, and Harbor Light Metals, LLC.

Parcel B of the subject property consisted of agricultural land from at least 1930 until 1965 when a parking lot was constructed on the northeastern portion of Parcel B. In 1973 a bulk aboveground storage tank (AST) was constructed on the southern portion of Parcel B. Currently, Parcel B contains an asphalt-paved parking lot and an empty bulk AST.

2.3 ADJACENT PROPERTY LAND USE

The following table describes the current uses of the adjoining properties, identified occupants, and noteworthy observations of environmental concern, if any, that were noted during AKT Peerless' recent reconnaissance of the adjoining properties.

| Direction | Address | Current Use / Occupant | Potential Concerns |
|----------------------------|---------------------|--|--------------------|
| North | Not applicable | Undeveloped land | None observed |
| Northeast, east, and south | Not applicable | Undeveloped marsh/wetland area and Paw Paw River | None observed |
| Southwest | 1325 Paw Paw Street | Wooded land followed by a commercial/residential building / Not determined | None observed |
| West | 1391 Davis Drive | Vacant commercial building / None | None observed |
| | Not applicable | Vacant land | None observed |

2.4 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

2.4.1 AKT Peerless June 2011 Phase I ESA (Benton Harbor BRA)

AKT Peerless was retained to conduct a Phase I Environmental Site Assessment (ESA) of the subject property. The Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries [(AAI), 40 CFR Part 312] and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-05* (ASTM Standard Practice E 1527-05).

During the Phase I ESA, the following Recognized Environmental Conditions (RECs) were identified by AKT Peerless:

1. The subject property has contained an aluminum smelting company since at least 1965. Activities associated with this facility during this time included the use and storage of petroleum products and hazardous substances. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of the subject property.
2. AKT Peerless observed approximately 10,000 cubic yards of dross/salt cake. These piles were historically disposed at a landfill and previous reports indicated that the dross and salt cakes have historically contained heavy metals and polychlorinated biphenyls (PCBs). In addition, AKT Peerless observed several bags of shredder and furnace dust (bag hose residue) throughout the facility. This dust was historically disposed as a hazardous material. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the bag house dust and dross/salt cake currently located at the subject property.
3. Several pieces of equipment were observed in the production, maintenance building, and Parcel B. Oil-like stains and/or pooled liquid was observed around these pieces of equipment. Therefore, it is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by these fixtures.
4. Several PCB-containing transformers were historically located on the subject property. In addition, a release of one of these transformers occurred in the ingot area this area was reportedly remediated. Further, AKT Peerless observed an old transformer in the maintenance building. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of PCB-containing transformers.
5. The subject property occupants historically utilized a septic system and water well. The water well was properly abandoned in 2005. However, it is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of hazardous substances and/or petroleum products in connection to the septic system.

6. The subject property historically contained a waste oil underground storage tank (UST), used oil UST, two diesel USTs, and two fuel oil USTs. According to previous reports these USTs have all been removed however, contamination above Michigan Department of Environmental Quality (MDEQ) Generic Residential Cleanup Criteria (GRCC) still remains in the area of these former USTs. Therefore, in AKT Peerless opinion the former USTs and existing contamination represents an REC to the subject property.
7. Parcel A of the subject property contained a truck repair facility from at least 1965. In addition, According to previous reports an oil/water separator was closed in place on the subject property. Further, AKT Peerless observed stains throughout the former truck maintenance building. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of the subject property as a truck repair facility.
8. Based on a review of previously completed environmental assessments of the subject property, existing soil and groundwater contamination includes volatile organic compounds (VOCs), polynuclear aromatic hydrocarbon (PNAs), and metals above MDEQ GRCC and meets the definition of a "facility". Therefore, it is AKT Peerless opinion that the facility status of the subject property represents an REC.
9. The subject property historically contained an emergency generator which was fueled using a bulk fuel oil AST, underground piping, and a pump house. It is AKT Peerless opinion that the potential exists for the subject property's soil and groundwater to have been adversely affected by the former AST system.
10. Approximately one hundred 55-gallon drums of oil and other unknown substances were observed in the production building. These drums were stacked three high on wooden pallets and stains were observed nearby. It is AKT Peerless opinion that the potential exists for the subject property's soil and groundwater to have been adversely affected by the contents of these drums.
11. Railroad tracks extend from the northwestern and southwestern corners of Parcel A onto the subject property. In addition, railroad tracks historical extended across the southeastern portion of Parcel B. Further, railroad tracks intersect Parcels A and B. Potential concerns typically associated with railroad tracks include the use of fill materials as ballast to support the ties and rails. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by fill material used as ballast.
12. The western adjoining property contained a scrap yard from at least 1960 to 1999. Previous reports indicated that this facility historically contained 55-gallon drums. Therefore, it is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the western adjoining property.

Because RECs were identified during the performance of the Phase I ESA, further investigation and/or assessment is warranted in order to determine the current conditions at the subject property.

3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES

3.1 SCOPE OF ASSESSMENT

To further evaluate the RECs identified, AKT Peerless conducted a subsurface investigation of the subject property that included: (1) the advancement of 25 soil borings; (2) the installation of five temporary groundwater monitoring wells, and (3) the collection of 24 soil samples, five groundwater samples, and two material evaluation samples. The following samples were submitted for laboratory analyses:

- 24 soil samples for one or more of the following: VOCs, PNAs, (PCBs), and metals including aluminum, arsenic, cadmium, chromium, lead, magnesium, manganese, mercury, nickel, selenium, and zinc.
- Five groundwater samples for one or more of the following: VOCs, PNAs, and metals including aluminum, arsenic, cadmium, chromium, lead, magnesium, manganese, mercury, nickel, selenium, and zinc.
- Two material evaluation samples for the following: semi-volatile organic compounds (SVOCs), PCBs, Target Analyte Metals¹, reactivity, corrosivity, ignitability, dioxin scan, anion scan²

The following table summarizes each REC identified, the site investigation activities AKT Peerless performed to address each REC, and the laboratory parameters used to address each REC.

Summary of AKT Peerless' Scope of Investigation

| REC # | Environmental Concern | Investigation Activity | Analytical Parameters |
|--------------|--|--|--|
| 1 | Historical aluminum smelting operations | AKT-1 through AKT-10, AKT-12 Through AKT-15, AKT-22 through AKT-32 | VOCs, PNAs, Metals, and/or PCBs |
| 2 | Salt cake and bag house storage areas | AKT-7, AKT-29, and material characterization samples | VOCs, SVOCs, PNAs, Metals, PCBs, TAL, RCI, dioxin scan, and anion scan |
| 3 | Spilled liquids identifies in the interior of the subject building | Limitation | VOCs, PNAs, Metals, and/or PCBs |
| 4 | Former electrical transformers | Limitation | VOCs, PNAs, Metals, and/or PCBs |

¹ Target Analyte Metals include: aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.

² Anion scan includes: bromide, chloride, fluoride, nitrate, nitrite, and sulfate

| REC # | Environmental Concern | Investigation Activity | Analytical Parameters |
|-------|--|--|------------------------------------|
| 5 | Former septic systems | AKT-26 and AKT-29 | VOCs, PNAs, Metals, and/or PCBs |
| 6 | Former USTs | AKT-22, AKT-23, AKT-30 | VOCs, PNAs, Metals |
| 7 | Former truck repair activities | AKT-24 through AKT-26 | VOCs, PNAs, Metals |
| 8 | Previously identified soil and groundwater contamination | AKT-1 through AKT-10, AKT-12 Through AKT-15, AKT-22 through AKT-32 | VOCs, PNAs, MI Metals, and/or PCBs |
| 9 | Former bulk oil AST | AKT-4 through AKT-7 | VOCs, PNAs, Metals |
| 10 | Interior chemical storage areas | Limitation | VOCs, PNAs, Metals, and/or PCBs |
| 11 | Former railroad tracks | AKT-7, AKT-14, AKT-15 | VOCs, PNAs, Metals |
| 12 | Historical uses of the western adjoining property | AKT-1 through AKT-6 | VOCs, PNAs, Metals |

3.1.1 Soil Evaluation

On August 11 and 12, 2011, AKT Peerless advanced 25 soil borings at the subject property. AKT Peerless used hand-auger and hydraulic drive/direct-push (Geoprobe®) sampling techniques and followed the drilling procedures outlined in ASTM publication D 6282-98 “*Standard Guide for Direct Push Soil Sampling for Environmental Site Characterizations.*” AKT Peerless collected continuous soil samples from the soil borings in two-foot intervals to the maximum depth explored of 16-feet below ground surface (bgs). AKT Peerless personnel inspected, field-screened, and logged the samples collected at each soil boring location. Refer to **Figure 2** for a site map with soil boring locations. Boring logs are provided in **Appendix A**.

3.1.2 Groundwater Evaluation

AKT Peerless encountered groundwater in eight of the 25 soil borings advanced at the subject property. AKT Peerless installed a temporary groundwater monitor well at five of the 25 boring locations. A one-inch PVC riser with a five-foot screen was utilized for each temporary groundwater monitor well. Groundwater sampling was conducted using low-flow sampling methodologies described in the April 1996 United States Environmental Protection Agency (U.S. EPA) document Groundwater Issue titled “*Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures.*” Stabilization data recorded for each well were documented in Low-Flow Sampling Logs included in **Appendix B**. Refer to **Figure 2** for a site map with temporary and permanent monitor well locations.

3.1.3 Deviations from the Sampling and Analysis Plan

This Phase II ESA was conducted under a U.S. Environmental Protection Agency (EPA) Brownfield Assessment Grant awarded to the BHBRA. On August 8, 2011, AKT Peerless prepared a Phase II SAP on behalf of the BHBRA. August 9, 2011, the SAP was approved by the EPA Region 5 Project Manager. Due to (1) safety concerns associated with the structural integrity of the subject building, and (2) quantities and storage of bag house dust and salt cake,

AKT Peerless was unable to complete the proposed soil and/or groundwater sampling activities inside the subject building. AKT Peerless did not complete proposed soil borings AKT-11, AKT-16 through AKT-21, and AKT-33. In completing field activities, no other significant deviations from the approved SAP were made.

3.2 QUALITY ASSURANCE/QUALITY CONTROL

To ensure the accuracy of data collected during on site activities, AKT Peerless implemented proper quality assurance/quality control (QA/QC) measures. The QA/QC procedures included, but were not limited to, (1) decontamination of sampling equipment before and between sampling events, (2) calibration of field equipment, (3) documentation of field activities, and (4) sample preservation techniques.

3.2.1 Decontamination of Equipment

During sample collection, AKT Peerless adhered to proper decontamination procedures. Sampling equipment was decontaminated using the following methods to minimize potential cross-contamination of soil and groundwater samples:

- Steam-cleaning or washing and scrubbing the equipment with non-phosphate detergent
- Rinsing the equipment
- Air-drying the equipment

3.2.2 Calibration of Field Equipment

All field instruments were calibrated prior to first use on-site to ensure accuracy. Field instruments utilized during investigation activities at this subject property were a photoionization detector (PID), and a water quality indicator meter (the meter measures turbidity, pH, temperature, dissolved oxygen, conductivity and oxidation reduction potential).

During AKT Peerless' Phase II ESA, a photoionization detector (PID) was used to screen all soil samples. The PID was maintained in a calibrated condition using 100 ppm isobutylene span gas prior to subsurface investigations.

The water quality indicator meter was used to measure indicator parameters during low-flow sampling conducted at the subject property. The meter was calibrated using known standards and in accordance with manufacturer specifications prior to first use on the subject property. The meter was designed to measure turbidity, pH, temperature, dissolved oxygen, conductivity and oxidation reduction potential.

3.2.3 Documentation of Activities

During AKT Peerless' Phase II ESA activities, subject property conditions (i.e., soil boring locations, weather conditions) were documented. AKT Peerless visually inspected the soil and groundwater samples and prepared a geologic log for each soil boring. The logs include soil characteristics such as (1) color, (2) composition (e.g., sand, clay, or gravel), (3) soil moisture and water table depth, and (4) signs of possible contamination (i.e., stained or discolored soil, odors). Soil types were classified in accordance with ASTM publication D-2488 "*Unified Soil*

Classification System.” All soil and groundwater samples were delivered to a laboratory under chain-of-custody documentation. See **Appendix A** for AKT Peerless’ soil boring logs. See **Figure 2** for site map with soil boring locations.

3.2.4 Sample Preservation Techniques

AKT Peerless collected soil samples according to USEPA Publication SW-846, “*Test Methods for Evaluating Solid Waste.*” Soil and groundwater samples were collected in laboratory-supplied containers, stored on ice or at approximately 4 degrees Celsius, and submitted under chain-of-custody documentation.

Soil samples collected for volatile analyses were field preserved with methanol in accordance with U.S. EPA Method 5035. Soil samples collected for PNAs, PCBs, and metals analyses were stored in unpreserved, 4-ounce wide-mouth jars.

Groundwater samples collected from temporary monitor wells were collected with a peristaltic pump and dedicated tubing. Groundwater samples for volatile organic compound analyses were collected with zero headspace into 40 ml glass vials and preserved with hydrochloric acid. Groundwater samples for metals were collected into plastic bottles and preserved with nitric acid. Groundwater samples collected for analysis of PNAs were collected into 1-liter amber glass jars.

Material evaluation samples were collected and stored in unpreserved, 4-ounce wide-mouth jars.

3.2.5 QA/QC Sample Collection

AKT Peerless collected QA/QC samples for soil and water matrices in accordance the QA/QC sample procedures outlined in the “*Quality Assurance Project Plan (QAPP), Brownfield Assessment Program, Hazardous Substances and Petroleum Site Assessment Grant*” prepared for the BHBRA in 2010. The following table describes the QA/QC samples collected for each matrix.

Summary of AKT Peerless’ QA/QC Sampling

| QA/QC Sample | Laboratory Analytical Parameter(s) | Matrix | Number of Samples |
|---|---|---------------|--------------------------|
| Field Duplicates | VOCs, PNAs, metals, and/or PCBs | Soil | 4 |
| | VOCs, PNAs, metals | Groundwater | 1 |
| Field Blanks | VOCs, PNAs, metals | Soil | 1 |
| | VOCs, PNAs, metals | Water | 1 |
| Equipment Blanks | VOCs, PNAs, metals | Soil | 2 |
| | VOCs, PNAs, metals | Water | 1 |
| Matrix Spike/ Matrix Spike Duplicate | VOCs, PNAs, metals and/or PCBs | Soil | 2 |
| | VOCs, PNAs, metals | Groundwater | 1 |
| Trip Blank | VOCs | Water | 2 |
| Methanol Blank | VOCs | Methanol | 1 |

3.3 LABORATORY ANALYSES AND METHODS

AKT Peerless submitted 24 soil, five groundwater samples, and two material evaluation samples for laboratory analyses. The following table summarizes the location, depth, matrix, and laboratory analysis for each sample.

Summary of Laboratory Analyses

| Sample Name/Depth (in feet) | Matrix | VOCs | SVOCs | PNAs | PCBs | Metals | Material evaluation |
|-----------------------------|-------------|-------------------------------------|-------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------|
| AKT-1 (1-2) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-2 (1-2) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-3 (1-2) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-4 (3-4) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | - | - |
| AKT-5 (3-4) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | - | - |
| AKT-6 (3-4) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | - | - |
| AKT-7 (1-2) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-8 (0.5-1.5) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-9 (0.5-1.5) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - |
| AKT-10 (1-2) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-12 (1-2) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - |
| AKT-13 (2.5-3) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-14 (1-2) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - |
| AKT-15 (0.5-1.5) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - |
| AKT-15W | Groundwater | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-22 (11-12) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-22W | Groundwater | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-23 (10-12) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-24 (4-5) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - |
| AKT-25 (2-3) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - |
| AKT-26 (1-2) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-27 (8-9) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - |
| AKT-27W | Groundwater | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-28 (5-6) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-29 (3-4) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - |
| AKT-30 (3-5) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - |

| Sample Name/Depth (in feet) | Matrix | VOCs | SVOCs | PNAs | PCBs | Metals | Material evaluation |
|-----------------------------|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| AKT-30W | Groundwater | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-31W | Groundwater | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| AKT-32 (2-3) | Soil | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - |
| Salt cake | Solid | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> |
| Bag house residue | Solid | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> |

The laboratory analyzed the samples for: (1) VOCs in accordance with USEPA Methods 5035/8260B; (2) SVOCs and PNAs in accordance with USEPA Methods 3550B/8270C; (3) PCBs in accordance with USEPA Methods 3550B/8082A, (4) metals in accordance with USEPA Methods 3050B/6020/7471A, and (5) material evaluation parameters (target analyte metals, reactivity, corrosivity, ignitability, dioxin scan, and anion scan) in accordance with USEPA Methods 1030/6010C/6020A/7471B/9045D/9056/HS2/HCN.

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 SUBSURFACE CONDITIONS

4.1.1 Soil and Groundwater Conditions based on Published Material

According to the Michigan Geological Survey Division's publication, Quaternary Geology of Southern Michigan, soil in the area is lacustrine sand and gravel. This soil is described as pale brown to pale reddish brown, fine to medium sand that commonly includes beds or lenses of small gravel. This soil is chiefly quartz sand but gravel is rich in igneous and metamorphic rocks. This soil occurs chiefly as former beach and near-offshore littoral deposits of glacial Great Lakes and may include intercalated lacustrine clay that is locally veneered by discontinuous sheets or small dunes of eolian sand and may include areas of organic soil. In the eastern part of the northern peninsula of Michigan these sands commonly grade upstream (north- or northwest- ward) into outwash deposits. Soil thickness ranges from 3 to 100 feet. Typically, lacustrine sand and gravel is associated with moderate hydraulic permeability and may allow the movement of contaminants through groundwater.

According to the United States Department of Agriculture, *Soil Survey of Berrien County, Michigan (1980)*, the soil at the subject property is classified as the Spinks-Oakville-Oshtemo association, which is described as nearly level to very steep, well drained, sandy and loamy soil on moraines, till plains, outwash plains and beach ridges. As indicated on Photo Sheet 9 of the soil survey, subject property soils are described as belonging to Oshtemo-Urban land complex, 0 to 6 percent slopes.

Typically, the water table flows toward a major drainage feature or in the same direction as the drainage basin. The Paw Paw River, which flows to the southwest, is located approximately 250 feet east-southeast of the subject property at its nearest point. Therefore, AKT Peerless infers

that groundwater beneath the subject property flows to the east-southeast, with potential influence from the Paw Paw River.

Previous subsurface investigations conducted at the subject property indicate that groundwater was encountered at the subject property at depths ranging from four and eight feet below ground surface (bgs). Groundwater was encountered in fine to medium grain sand.

4.1.2 Soil and Groundwater Conditions based on Field Observations

During AKT Peerless' soil boring activities completed at the subject property, the geology encountered consists of an extensive sand formation beginning just below ground surface that extends to a maximum investigated depth of sixteen feet bgs. Laterally discontinuous seams of silt and clay were encountered at varying depths.

The subsurface soil at the property is consistent with the description of lacustrine sand and gravel as described in the *Quaternary Geology of Southern Michigan*. See **Appendix A** for AKT Peerless' soil boring logs.

The hydrogeology encountered during soil boring activities consists of a shallow, intermittent groundwater bearing formation with the apparent water table ranging in depth from 3 to 9.5 feet bgs.

4.2 LABORATORY ANALYTICAL RESULTS

AKT Peerless collected soil and groundwater samples for the purpose of determining if the subject property meets the definition of a *facility*. Analytical results were compared with MDEQ Generic Residential Generic Cleanup Criteria provided in MDNRE Remediation and Redevelopment Division's Operational Memorandum No. 1, Tables 1 and 2.

4.2.1 Soil Analytical Results

AKT Peerless submitted 24 soil samples for laboratory analysis of one or more of the following: VOCs, PNAs, PCBs, and metals. The results of the laboratory analyses of the soil samples are summarized in the table below:

Summary of Soil Analytical Results

| Soil Boring Location & Depth | Parameter | MDEQ Criteria Exceeded | | | | | | |
|---------------------------------------|-----------|-------------------------------------|-------------------------------------|-----|-------|------|-----|----|
| | | DWP | GSIP | GCP | SVIAI | VSIC | PSI | DC |
| AKT-1 (1-2) | Arsenic | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Magnesium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| AKT-2 (1-2) | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-3 (1-2) | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |

| Soil Boring Location & Depth | Parameter | MDEQ Criteria Exceeded | | | | | | |
|--|-----------|-------------------------------------|-------------------------------------|-----|-------|------|-----|-------------------------------------|
| | | DWP | GSIP | GCP | SVIAI | VSIC | PSI | DC |
| AKT-7 (1-2) | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Magnesium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| AKT-8 (0.5-1.5) | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-9 (0.5-1.5) | Arsenic | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Magnesium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Mercury | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-10 (1-2) | Selenium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Zinc | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| AKT-12 (1-2) Soil Duplicate #1 | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | <input checked="" type="checkbox"/> |
| | Chromium | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Lead | - | - | - | - | - | - | <input checked="" type="checkbox"/> |
| | Magnesium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Nickel | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Selenium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-13 (2.5-3) | Zinc | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-13 (2.5-3) Soil Duplicate #2 | Selenium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-13 (2.5-3) Soil Duplicate #2 | Selenium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |

| Soil Boring Location & Depth | Parameter | MDEQ Criteria Exceeded | | | | | | |
|--|------------------------|-------------------------------------|-------------------------------------|-----|-------|------|-----|--|
| | | DWP | GSIP | GCP | SVIAI | VSIC | PSI | DC |
| AKT-14 (1-2) | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | <input checked="" type="checkbox"/> |
| | Arsenic | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Cadmium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Lead | <input checked="" type="checkbox"/> | - | - | - | - | - | <input checked="" type="checkbox"/> |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Nickel | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Selenium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Zinc | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | PCBs | - | - | - | - | - | - | <input checked="" type="checkbox"/> ** |
| AKT-15 (0.5-1.5) | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Mercury | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Selenium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-22 (11-12) | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Magnesium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Benzene | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| AKT-23 (10-12) | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Magnesium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| AKT-24 (4-5) | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Magnesium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| AKT-25 (2-3) | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | 1,2-dichlorobenzene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | 1,2,3-trimethylbenzene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | 1,2,4-trimethylbenzene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-25 (2-3) Soil Duplicate #4 | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | 1,2-dichlorobenzene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | 1,2,3-trimethylbenzene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | 1,2,4-trimethylbenzene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |

| Soil Boring Location & Depth | Parameter | MDEQ Criteria Exceeded | | | | | | |
|--|------------------------|-------------------------------------|-------------------------------------|-----|-------|------|-----|----|
| | | DWP | GSIP | GCP | SVIAI | VSIC | PSI | DC |
| AKT-26 (1-2) | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Magnesium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Selenium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-27 (8-9) | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | sec-Butylbenzene | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| AKT-28 (5-6) | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-29 (3-4) | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Magnesium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| AKT-30 (3-5) | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Fluorene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | 2-Methylnaphthalene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Phenanthrene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | n-Butlybenzene | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Sec-Butlybenzene | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Ethylbenzene | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Isopropyl benzene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Naphthalene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | n-propylbenzene | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | 1,2,3-trimethylbenzene | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-30 (3-5) Soil Duplicate #3 | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Fluorene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | 2-Methylnaphthalene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Phenanthrene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | n-Butlybenzene | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Sec-Butlybenzene | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Ethylbenzene | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Naphthalene | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | n-propylbenzene | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | 1,2,3-trimethylbenzene | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - | - | - |
| AKT-32 (2-3) | Aluminum | <input checked="" type="checkbox"/> | - | - | - | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - | - | - | - |
| | Magnesium | <input checked="" type="checkbox"/> | - | - | - | - | - | - |

*- Sample identification: AKT-# indicates soil boring and (#-#) indicates sample depth in feet.

** PCBs were identified at concentrations exceeding federal Toxic Substances Control Act (TSCA) Subpart D Cleanup Standards and MDEQ Generic Residential Direct Contact Cleanup Criteria.

DWP – Drinking Water Protection Criteria

GSIP – Groundwater Surface Water Interface Protection Criteria

GCP – Groundwater Contact Protection Criteria

SVIAI – Soil Volatilization to Indoor Air Inhalation Criteria

VSIC – Volatile Soil Inhalation Criteria

PSI – Particulate Soil Inhalation Criteria

DC – Direct Contact Criteria

Refer to **Figure 3** for a site map with soil analytical results exceeding MDEQ GRCC. Refer to **Table 1** for a summary of soil analytical results. Refer to **Appendix C** for a complete analytical laboratory report.

4.2.2 Groundwater Analytical Results

AKT Peerless submitted five groundwater samples for laboratory analysis of one or more of the following: VOCs, PNAs, and metals. The results of the laboratory analyses of the groundwater samples are summarized in the table below:

Summary of Groundwater Analytical Results

| Well Location & Depth | Parameter | MDEQ Criteria Exceeded | | | |
|-----------------------|------------------------|-------------------------------------|-------------------------------------|-------|----|
| | | DW | GSI | GVIAI | GC |
| AKT-15W (6-11) | Aluminum | <input checked="" type="checkbox"/> | - | - | - |
| | Lead | <input checked="" type="checkbox"/> | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - |
| AKT-22W (2-7) | Aluminum | <input checked="" type="checkbox"/> | - | - | - |
| | Lead | <input checked="" type="checkbox"/> | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - |
| | Benzene | <input checked="" type="checkbox"/> | - | - | - |
| | Ethylbenzene | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - |
| AK-27W (8-13) | Aluminum | <input checked="" type="checkbox"/> | - | - | - |
| | Arsenic | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - |
| | Lead | <input checked="" type="checkbox"/> | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - |
| AKT-30W (4.5-9.5) | Aluminum | <input checked="" type="checkbox"/> | - | - | - |
| | Lead | <input checked="" type="checkbox"/> | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - |
| | Ethylbenzene | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - |
| | Naphthalene | - | <input checked="" type="checkbox"/> | - | - |
| | 1,2,3-trimethylbenzene | - | <input checked="" type="checkbox"/> | - | - |

| Well Location & Depth | Parameter | MDEQ Criteria Exceeded | | | |
|---|-----------|-------------------------------------|-------------------------------------|-------|----|
| | | DW | GSI | GVIAI | GC |
| AKT-31W (3-8) | Aluminum | <input checked="" type="checkbox"/> | - | - | - |
| | Chromium | - | <input checked="" type="checkbox"/> | - | - |
| | Lead | <input checked="" type="checkbox"/> | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - |
| AKT-31W (3-8) Groundwater Duplicate | Aluminum | <input checked="" type="checkbox"/> | - | - | - |
| | Lead | <input checked="" type="checkbox"/> | - | - | - |
| | Manganese | <input checked="" type="checkbox"/> | - | - | - |

*- Sample identification: AKT-# indicates soil boring and (#-#) indicates screened interval in feet.

DW – Drinking Water

GSI – Groundwater Surface Water Interface Criteria

GVIAI – Groundwater Volatilization to Indoor Air Inhalation Criteria

GC – Groundwater Contact Criteria

Refer to **Figure 4** for a site map with groundwater analytical results exceeding MDNRE criteria. Refer to **Table 2** for a summary of groundwater analytical results. Refer to **Appendix C** for a complete analytical laboratory report.

4.2.3 Material Evaluation Analytical Results

AKT Peerless collected and submitted one sample of the salt cake that was located throughout a majority of the subject building and one sample of the bag house residue that was also located throughout the subject building and exterior portions of the subject property.

Salt cake

A sample of salt cake was submitted to a laboratory for analysis of SVOCs, PCBs, Target Analyte Metals, reactivity, corrosivity, ignitability, a dioxin scan, and an anion scan. Based on a review of the analytical results of the salt cake sample in comparison to the MDEQ GRCC for soil, the following contaminants were identified above MDEQ GRCC:

- Aluminum was detected above DWP and DC.
- Antimony was detected above DWP.
- Chromium was detected above DWP, GSI, and PSI.
- Cobalt was detected above DWP and GSI.
- Manganese was detected above DWP.
- Nickel was detected above DWP.
- Silver was detected above GSI.
- Zinc was detected above DWP.
- Chloride was detected above DWP and DC.

If there is a viable commercial use (recycling) for the salt cake located throughout the subject building, AKT Peerless recommends properly storing the material to prevent potential threats to human health and the environment. If the salt cake is to be disposed, AKT Peerless recommends disposal in accordance with applicable federal, state, and local regulations prior to any property transaction.

Bag house residue

A sample of bag house residue was submitted to a laboratory for analysis of SVOCs, PCBs, Target Analyte Metals, reactivity, corrosivity, ignitability, a dioxin scan, and an anion scan. Based on a review of the analytical results of the bag house residue sample in comparison to the MDEQ Generic Residential Cleanup Criteria for soil, the following contaminants were identified above MDEQ GRCC:

- Aluminum was detected above DWP and DC.
- Antimony was detected above DWP.
- Cadmium was detected above DWP.
- Chromium was detected above DWP, GSI, and PSI.
- Cobalt was detected above DWP and GSI.
- Lead was detected above DC.
- Manganese was detected above DWP.
- Mercury was detected above GSI.
- Nickel was detected above DWP.
- Selenium was detected above GSI.
- Silver was detected above GSI.
- Zinc was detected above DWP.
- Nitrite was detected above DWP.
- Chloride was detected above DWP and DC.
- Sulfate was detected above DWP.
- PCBs were detected below MDEQ DC GRCC; however in excess of the federal Toxic Substances Control Act (TSCA), Subpart D Cleanup Standards of 1,000 parts per billion (ppb). Therefore, the MDEQ criterion defaults to the TSCA criteria of 1,000 ppb.
- Carbazole was detected above GSI.
- Benzo(a)pyrene was detected above DC.
- Fluoranthene was detected above GSI.
- Phenanthrene was detected above GSI.

AKT Peerless recommends properly storing the material to prevent the potential threats to human health and the environment. In addition, AKT Peerless recommends disposal in accordance with applicable federal, state, and local regulations prior to any property transaction.

4.2.4 Quality Assurance/Quality Control Analytical Results

QA/QC samples were collected in accordance with AKT Peerless' “*Quality Assurance Project Plan (QAPP), Brownfield Assessment Program, Hazardous Substances and Petroleum Site Assessment Grant, The City of Benton Harbor*”, dated February 2010, revision 1. Based on a review of the analytical results of the QA/QC samples collected during the Phase II ESA, AKT

Peerless did not identify conditions that would indicate errors arising from field sampling activities or laboratory procedures. Refer to **Appendix C** for a complete copy of the laboratory analytical report.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

Upon a review of the analytical results in conjunction with Michigan Department of Environmental Quality (MDEQ), Public Act 451, Part 201 Cleanup Criteria and Screening Levels guidance document, AKT Peerless concludes that soils at the subject property contain VOCs, PNAs, PCBs, and metals, at concentrations that exceed the MDEQ Part 201 Generic Residential Generic Cleanup Criteria for soil. In addition, the concentrations of PCBs identified in soil sample AKT-14 (1-2') at 6,800 ppb was observed to be in excess of the federal TSCA, Subpart D Cleanup Standards of 1,000 ppb. Lastly, groundwater at the subject property contains VOCs and metals at concentrations that exceed the MDEQ Part 201 Generic Residential Cleanup Criteria for groundwater. Based on laboratory analytical results, AKT Peerless determined that the subject property remains as a *facility*, as defined in Part 201 of the NREPA, Michigan Public Act (PA) 451, 1994, as amended.

5.2 RECOMMENDATIONS

Based upon these findings, AKT Peerless has determined that the subject site qualifies as a “facility”, as defined in Part 201 of the NREPA, Michigan Public Act (PA) 451, 1994, as amended. Therefore, AKT Peerless recommends that a Baseline Environmental Assessment (BEA) be conducted for the subject property prior to or within forty-five (45) days of purchase and/or occupancy.

Furthermore, because the concentrations of PCBs in soil sample AKT-14 (1-2') exceed the federal TSCA, Subpart D Cleanup Standards, AKT Peerless recommends additional subsurface investigation to define both the vertical and horizontal extent of PCB soil contamination.

6.0 LIMITATIONS

The information and opinions obtained in this report are for the exclusive use of the City of Benton Harbor Brownfield Redevelopment Authority, The Lakeshore Energy, LLC and The Reid Group, LLC. No distribution to or reliance by other parties may occur without the express written permission of AKT Peerless. AKT Peerless will not distribute this report without your written consent or as required by law or by a Court order. The information and opinions contained in the report are given in light of that assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed upon by the parties and as limited therein. Any third parties who have been extended the right to rely on the contents of this report by AKT Peerless (which is expressly required prior to any third-party release), expressly agrees to be bound by the original terms and conditions entered into by AKT Peerless and the City of Benton Harbor Brownfield Redevelopment Authority.

Subject to the above and the terms and conditions, AKT Peerless accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages. Although AKT Peerless believes that results contained herein are reliable, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive or that the information provided by the City of Benton Harbor Brownfield Redevelopment Authority, The Lakeshore Energy, LLC, The Reid Group, LLC or third parties is complete or accurate.

7.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The following individuals contributed to the completion of this investigation.



Jeremy Fox
Environmental Consultant
AKT PEERLESS ENVIRONMENTAL & ENERGY SERVICES



Robert W. Lambdin
Director of Operations
AKT PEERLESS ENVIRONMENTAL & ENERGY SERVICES

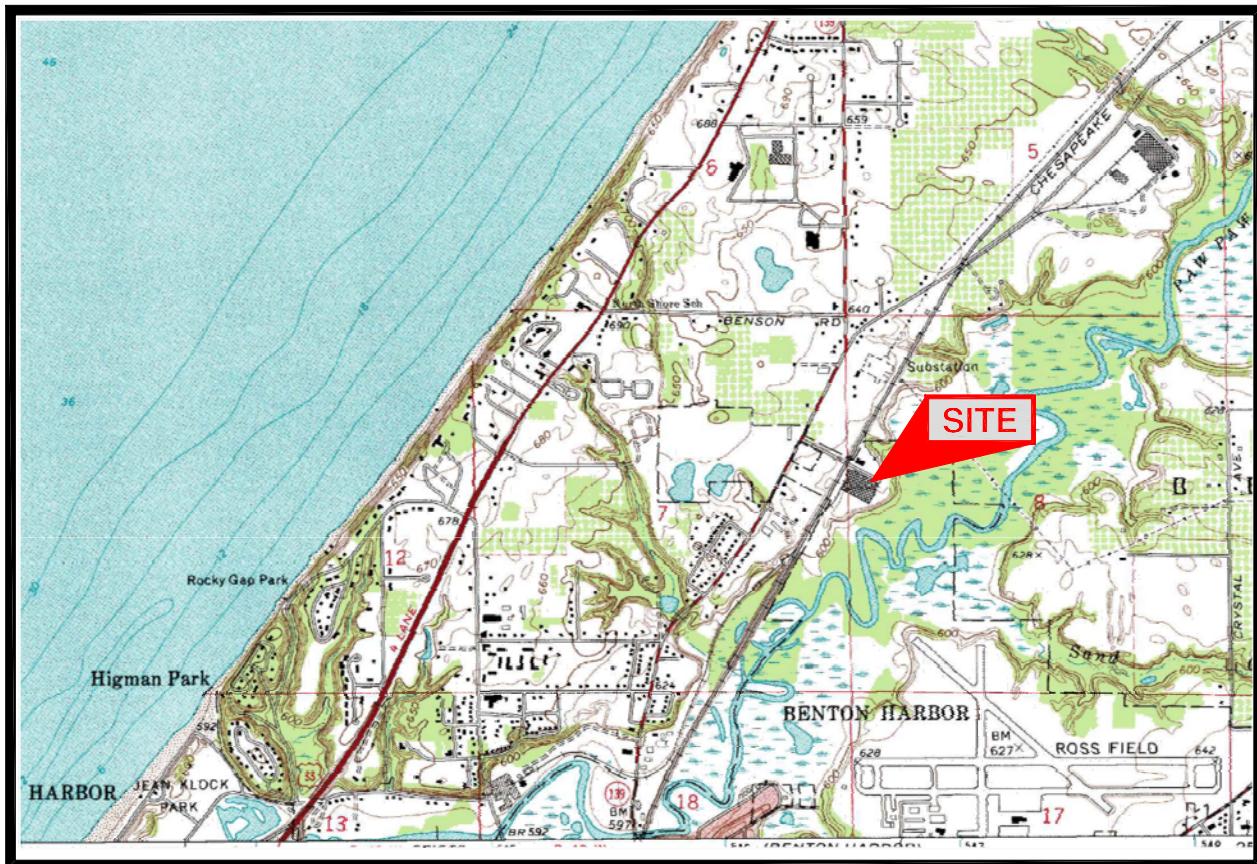
Phone: (248) 615-1333
Email: lambdinr@aktppeerless.com

FIGURES

BENTON HEIGHTS QUADRANGLE

MICHIGAN - BERRIEN COUNTY

7.5 MINUTE SERIES (TOPOGRAPHIC)



T.4 S. - R.18 W.



CONTOUR INTERVAL 5 FEET
DATUM IS MEAN SEA LEVEL

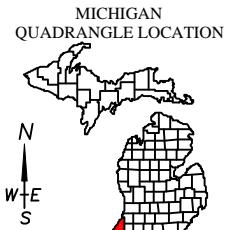
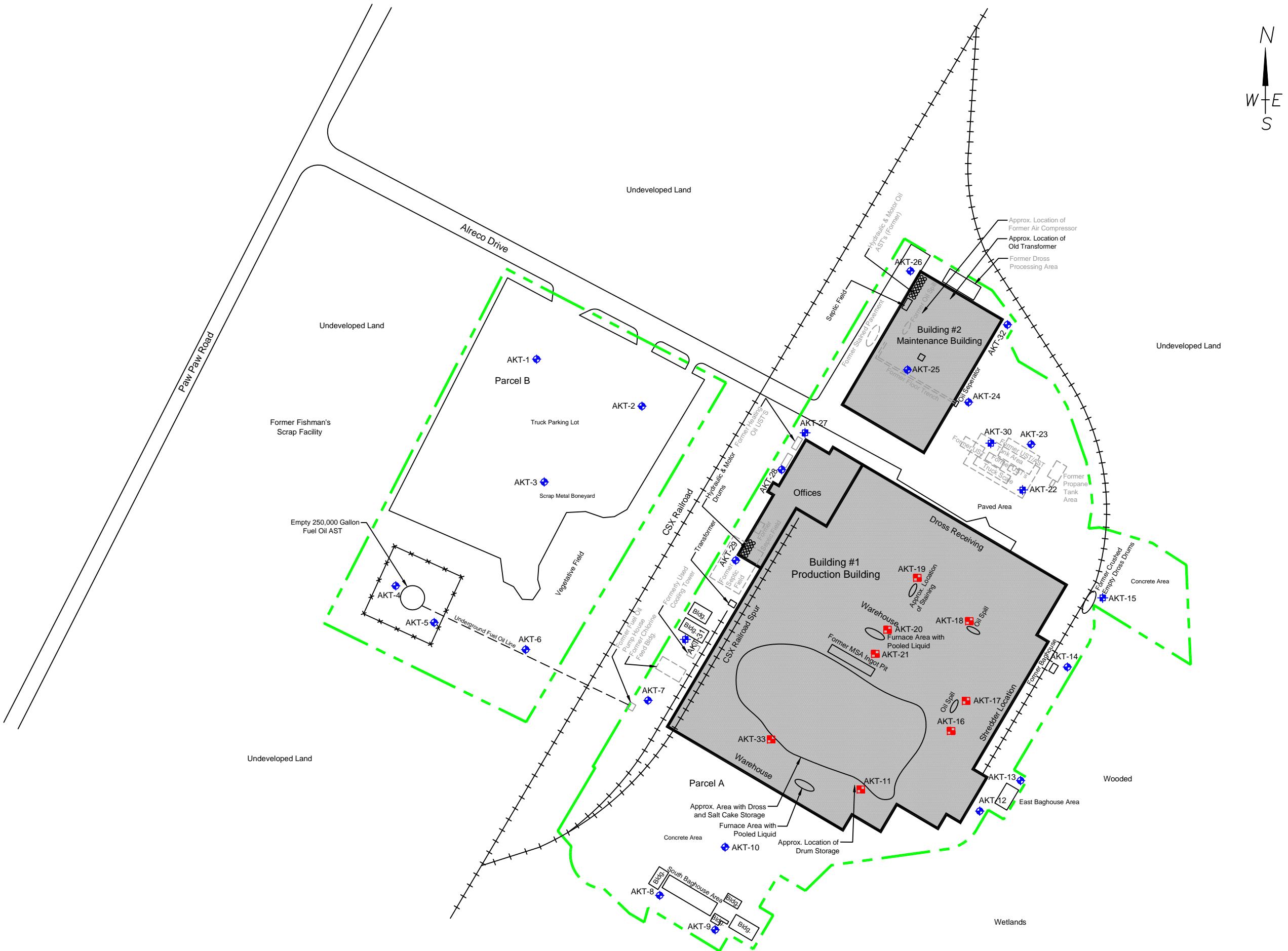


IMAGE TAKEN FROM 1967 U.S.G.S. TOPOGRAPHIC MAP
PHOTOREVISED 1973



| | |
|-----------------------------|-------------------|
| AKT-1 1-2' | |
| 8/11/2011 | |
| Arsenic | 5,000 ug/kg |
| Chromium | 7,500 ug/kg |
| Magnesium | 13,000,000 ug/kg |
| Manganese | 610,000 ug/kg |
| AKT-2 1-2' | |
| 8/11/2011 | |
| Chromium | 6,600 ug/kg |
| AKT-3 1-2' | |
| 8/11/2011 | |
| Chromium | 4,900 ug/kg |
| AKT-7 1-2' | |
| 8/11/2011 | |
| Aluminum | 12,000,000 ug/kg |
| Chromium | 18,000 ug/kg |
| Magnesium | 30,000,000 ug/kg |
| Manganese | 500,000 ug/kg |
| AKT-8 0.5-1.5' | |
| 8/11/2011 | |
| Aluminum | 7,000,000 ug/kg |
| Chromium | 9,800 ug/kg |
| AKT-9 0.5-1.5' | |
| 8/11/2011 | |
| Arsenic | 4,800 ug/kg |
| Chromium | 14,000 ug/kg |
| Magnesium | 12,000,000 ug/kg |
| Manganese | 450,000 ug/kg |
| Mercury | 100 ug/kg |
| Selenium | 610 ug/kg |
| AKT-10 1-2' | |
| 8/11/2011 | |
| Aluminum | 10,000,000 ug/kg |
| Chromium | 18,000 ug/kg |
| AKT-12 1-2' | |
| 8/11/2011 | |
| Aluminum | 160,000,000 ug/kg |
| Chromium | 180,000 ug/kg |
| Lead | 540,000 ug/kg |
| Magnesium | 16,000,000 ug/kg |
| Manganese | 810,000 ug/kg |
| Nickel | 150,000 ug/kg |
| Selenium | 1,800 ug/kg |
| Zinc | 3,900,000 ug/kg |
| AKT-12 (DUPLICATE) 1-2' | |
| 8/11/2011 | |
| Aluminum | 140,000,000 ug/kg |
| Chromium | 150,000 ug/kg |
| Lead | 500,000 ug/kg |
| Magnesium | 15,000,000 ug/kg |
| Manganese | 710,000 ug/kg |
| Nickel | 110,000 ug/kg |
| Selenium | 2,500 ug/kg |
| Zinc | 3,100,000 ug/kg |
| AKT-13 2.5-3.5' | |
| 8/11/2011 | |
| Aluminum | 26,000,000 ug/kg |
| Chromium | 36,000 ug/kg |
| Selenium | 690 ug/kg |
| AKT-13 (DUPLICATE) 2.5-3.5' | |
| 8/11/2011 | |
| Aluminum | 17,000,000 ug/kg |
| Chromium | 22,000 ug/kg |
| Selenium | 520 ug/kg |

| | |
|-------------------------|-------------------|
| AKT-14 1-2' | |
| 8/12/2011 | |
| Aluminum | 140,000,000 ug/kg |
| Arsenic | 4,800 ug/kg |
| Cadmium | 6,300 ug/kg |
| Chromium | 120,000 ug/kg |
| Lead | 1,100,000 ug/kg |
| Manganese | 830,000 ug/kg |
| Nickel | 210,000 ug/kg |
| Selenium | 1,800 ug/kg |
| Zinc | 8,300,000 ug/kg |
| PCB Aroclor 1248 | 6,800 ug/kg |
| AKT-15 0.5-1.5' | |
| 8/12/2011 | |
| Aluminum | 32,000,000 ug/kg |
| Chromium | 34,000 ug/kg |
| Mercury | 78 ug/kg |
| Selenium | 1,100 ug/kg |
| AKT-29 3-4' | |
| 8/11/2011 | |
| Chromium | 4,700 ug/kg |
| Magnesium | 20,000,000 ug/kg |
| AKT-30 3-5' | |
| 8/12/2011 | |
| Chromium | 8,200 ug/kg |
| Fluorene | 7,800 ug/kg |
| 2-Methylnaphthalene | 43,000 ug/kg |
| Phenanthrene | 13,000 ug/kg |
| n-Butylbenzene | 6,200 ug/kg |
| sec-Butylbenzene | 8,800 ug/kg |
| Ethylbenzene | 8,000 ug/kg |
| Isopropyl benzene | 3,900 ug/kg |
| Naphthalene | 11,000 ug/kg |
| n-Propylbenzene | 7,800 ug/kg |
| 1,2,3 Trimethylbenzene | 12,000 ug/kg |
| AKT-22 11-12' | |
| 8/12/2011 | |
| Chromium | 6,900 ug/kg |
| Fluorene | 5,700 ug/kg |
| 2-Methylnaphthalene | 27,000 ug/kg |
| Phenanthrene | 9,200 ug/kg |
| n-Butylbenzene | 3,900 ug/kg |
| sec-Butylbenzene | 5,300 ug/kg |
| Ethylbenzene | 4,400 ug/kg |
| Naphthalene | 7,800 ug/kg |
| n-Propylbenzene | 4,700 ug/kg |
| 1,2,3 Trimethylbenzene | 7,400 ug/kg |
| AKT-30 (DUPLICATE) 3-5' | |
| 8/12/2011 | |
| Chromium | 6,900 ug/kg |
| Fluorene | 5,700 ug/kg |
| 2-Methylnaphthalene | 27,000 ug/kg |
| Phenanthrene | 9,200 ug/kg |
| n-Butylbenzene | 3,900 ug/kg |
| sec-Butylbenzene | 5,300 ug/kg |
| Ethylbenzene | 4,400 ug/kg |
| Naphthalene | 7,800 ug/kg |
| n-Propylbenzene | 4,700 ug/kg |
| 1,2,3 Trimethylbenzene | 7,400 ug/kg |
| AKT-32 2-3' | |
| 8/12/2011 | |
| Aluminum | 7,900,000 ug/kg |
| Chromium | 9,500 ug/kg |
| Magnesium | 8,300,000 ug/kg |



DRAWN BY: JWB
DATE: 9/22/2011
SCALE: 70' = 1'-0" ± 10'
FIGURE 3



TABLES

Table 1 - Summary of Soil Analytical Results
900 Alreco
Benton Harbor, Michigan

**Table 1 - Summary of Soil Analytical Results
900 Alreco
Benton Harbor, Michigan**

Table 2 - Summary of Groundwater Analytical Results
900 Alreco
Benton Harbor, Michigan

| Guidesheet Number → | | #1 | #3 | #4 | #6 | #7 | #8 | #9 | | | | | | | | |
|--|----------------------------------|---|--|--|--------------------------------------|------------------|--|----------------------------------|--------------------------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| Parameters* | Chemical Abstract Service Number | Residential Drinking Water Criteria & RBSLs | Groundwater Surface Water Interface Criteria & RBSLs | Residential Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs | Groundwater Contact Criteria & RBSLs | Water Solubility | Flammability and Explosivity Screening Level | Acute Inhalation Screening Level | Maximum Concentration Detected | Sample Location | AKT-15 W | AKT-22 W | AKT-27 W | AKT-30 W | AKT-31 W | GW DUPLICATE (AKT-31) |
| | | | | | | | | | | Collection Date | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 |
| *(Refer to detailed laboratory report for method reference data) | | | | | | | | | | Screened Depth | (6-11) | (2-7) | (8-13) | (4.5-9.5) | (3-8) | (3-8) |
| Metals ug/L | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Aluminum (B) | 7429-90-5 | 50 (V) | NA | NLV | 6.4E+7 | NA | ID | ID | 45,000 | | 2,800 | 800 | 45,000 | 2,300 | 13,000 | 9,300 |
| Arsenic | 7440-38-2 | 10 (A) | 10 | NLV | 4,300 | NA | ID | ID | 16 | | <5.0 | 9.4 | 16 | 7.2 | 7.4 | 6.6 |
| Cadmium (B) | 7440-43-9 | 5.0 (A) | (G,X) | NLV | 1.9E+5 | NA | ID | ID | - | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chromium, Total | 7440-47-3 | 100 (A) | 11 | NLV | 4.6E+5 | NA | ID | ID | 80 | | 11 | <10 | 80 | <10 | 14 | <10 |
| Lead (B) | 7439-92-1 | 4.0 (L) | (G,X) | NLV | ID | NA | ID | ID | 18 | | 7.1 | 8.8 | 15 | 8.6 | 18 | 15 |
| Magnesium (B) | 7439-95-4 | 4.0E+5 | NA | NLV | 1.0E+9 (D) | NA | ID | ID | 78,000 | | 29,000 | 9,500 | 78,000 | 18,000 | 8,900 | 8,800 |
| Manganese (B) | 7439-96-5 | 50 (E) | (G,X) | NLV | 9.1E+6 | NA | ID | ID | 9,700 | | 270 | 690 | 9,700 | 430 | 2,700 | 2,500 |
| Mercury, Total | 7439-97-6 | 2.0 (A) | 0.0013 | 56 (S) | 56 (S) | 56 | ID | ID | - | | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Nickel (B) | 7440-02-0 | 100 (A) | (G) | NLV | 7.4E+7 | NA | ID | ID | 72 | | <20 | <20 | 72 | <20 | 20 | <20 |
| Selenium (B) | 7782-49-2 | 50 (A) | 5.0 | NLV | 9.7E+5 | NA | ID | ID | - | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Zinc (B) | 7440-66-6 | 2,400 | (G) | NLV | 1.1E+8 | NA | ID | ID | 1,500 | | 1,500 | <50 | 860 | 51 | 59 | <50 |
| Semivolatiles, PNAs ug/L | | | | | | | | | | | | | | | | |
| PNAs | | - | - | - | - | - | - | - | - | | BDL | BDL | BDL | BDL | BDL | BDL |
| Volatiles, VOCs ug/L | | | | | | | | | | | | | | | | |
| Benzene (I) | 71-43-2 | 5.0 (A) | 200 (X) | 5,600 | 11,000 | 1.75E+6 | 68,000 | 67,000 | 110 | | <1.0 | 110 | <1.0 | 3.9 | <1.0 | <1.0 |
| n-Butylbenzene | 104-51-8 | 80 | ID | ID | 5,900 | NA | ID | ID | 4.2 | | <1.0 | <1.0 | 4.0 | 4.2 | <1.0 | <1.0 |
| sec-Butylbenzene | 135-98-8 | 80 | ID | ID | 4,400 | NA | ID | ID | 14 | | <1.0 | 1.1 | 8.9 | 14 | <1.0 | <1.0 |
| Ethylbenzene (I) | 100-41-4 | 74 (E) | 18 | 1.1E+5 | 1.7E+5 (S) | 1.69E+5 | 43,000 | 1.7E+5 (S) | 170 | | <1.0 | 170 | <1.0 | 94 | <1.0 | <1.0 |
| Isopropyl benzene | 98-82-8 | 800 | 28 | 56,000 (S) | 56,000 (S) | 56,000 | 29,000 | ID | 20 | | <5.0 | <5.0 | <5.0 | 20 | <5.0 | <5.0 |
| Naphthalene | 91-20-3 | 520 | 11 | 31,000 (S) | 31,000 (S) | 31,000 | NA | 31,000 (S) | 82 | | <5.0 | <5.0 | 9.3 | 82 | <5.0 | <5.0 |
| n-Propylbenzene (I) | 103-65-1 | 80 | ID | ID | 15,000 | NA | ID | ID | 22 | | <1.0 | 3.4 | 2.8 | 22 | <1.0 | <1.0 |
| Toluene (I) | 108-88-3 | 790 (E) | 270 | 5.3E+5 (S) | 5.3E+5 (S) | 5.26E+5 | 61,000 | ID | 1.4 | | <1.0 | 1.4 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trimethylbenzene | 526-73-8 | 63 (E) | 17 | 56,000 (S) | 56,000 (S) | 55,890 | 56,000 (S) | ID | 41 | | <1.0 | <1.0 | 3.3 | 41 | <1.0 | <1.0 |
| 1,2,4-Trimethylbenzene (I) | 95-63-6 | 63 (E) | 17 | 56,000 (S) | 56,000 (S) | 55,890 | 56,000 (S) | ID | 6.0 | | <1.0 | <1.0 | 6.0 | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene (I) | 108-67-8 | 72 (E) | 45 | 61,000 (S) | 61,000 (S) | 61,150 | ID | ID | 1.1 | | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 | <1.0 |
| Xylenes (I) | 1330-20-7 | 280 (E) | 41 | 1.9E+5 (S) | 1.9E+5 (S) | 1.86E+5 | 70,000 | 1.9E+5 (S) | 11 | | <3.0 | 11 | 3.2 | <3.0 | <3.0 | <3.0 |
| Other VOCs | | - | - | - | - | - | - | - | - | | BDL | BDL | BDL | BDL | BDL | BDL |

FOOTNOTES

FOR THE PART 201 CRITERIA/PART 213 RISK-BASED SCREENING LEVELS
RRD OPERATIONAL MEMORANDUM No. 1

- (A) Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 pa 399, mcl 325.1005.
- (B) Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.
- (C) Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat} . Concentrations greater than C_{sat} are acceptable cleanup criteria for this pathway where a site-specific demonstration indicates that free-phase material containing a hazardous substance is not present.
- (D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).
- (E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).
- (F) Criterion is based on adverse impacts to plant life and phytotoxicity.
- (G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.
- (H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.
- (I) Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules.
- (J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.
- (K) Hazardous substance may be flammable or explosive, or both.
- (L) Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(10) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific rules.
- (M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.
- (N) The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) in groundwater that is used as a source of drinking water shall not, when added together, exceed the nitrate drinking water criterion of 10,000 ug/L. Where leaching to groundwater is a relevant pathway, soil concentrations of all potential sources of nitrate-nitrogen shall not, when added together, exceed the nitrate drinking water protection criterion of 2.0E+5 ug/kg.
- (O) The concentration of all polychlorinated and polybrominated dibenzodioxin and dibenzofuran isomers present at a facility, expressed as an equivalent concentration of 2,3,7,8-tetrachlorodibenzo-p-dioxin based upon their relative potency, shall be added together and compared to the criteria for 2,3,7,8-tetrachlorodibenzo-p-dioxin.
- (P) Amenable cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria. Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Industrial-commercial direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cyanide gas.
- (Q) Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.
- (R) Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of \$45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044-00155-1), or from the DEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost.
- (S) Criterion defaults to the hazardous substance-specific water solubility limit.
- (T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, subpart d and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart d and subpart g of 40 C.F.R. §761 (July 1, 2001) are adopted by reference in these rules and are available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulations may be purchased, at a cost as of the time of adoption of these rules of \$55, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401, or from the DEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost. Alternatives to compliance with the TSCA standards listed below are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.
- (U) Hazardous substance may exhibit the characteristic of corrosivity as defined in 40 C.F.R. §261.22 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of \$45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044-00155-1), or from the DEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost.
- (V) Criterion is the aesthetic drinking water value as required by Section 20120a(5) of the NREPA. Concentrations up to 200 ug/L may be acceptable, and still allow for drinking water use, as part of a site-specific cleanup under Section 20120a(2) of the NREPA.
- (W) Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of 80 ug/L. Concentrations of trihalomethanes in soil shall be added together to determine compliance with the drinking water protection criterion of 1,600 ug/kg.
- (X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.
- (Y) Source size modifiers shown in the following table shall be used to determine soil inhalation criteria for ambient air when the source size is not one-half acre.
- (Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.
- (AA) Comparison to these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.
- (BB) The state drinking water standard for asbestos is in units of fibers per milliliter of water (f/mL) longer than 10 millimicrons. Soil concentrations of asbestos are determined by polarized light microscopy.
- (CC) Groundwater: The generic GSI criteria are based on the toxicity of unionized ammonia (NH₃); the criteria are 29 ug/L and 53 ug/L for cold water and warm water surface water, respectively. As a result, the GSI criterion shall be compared to the percent of the total ammonia concentration in the groundwater that will become NH₃ in the surface water. This percent NH₃ is a function of the pH and temperature of the receiving surface water and can be estimated using the following table, taken from Emerson, et al., (Journal of the Fisheries Research Board of Canada, Volume 32(12):2382, 1975).
- (DD) Hazardous substance causes developmental effects. Residential and commercial I direct contact criteria are protective of both prenatal and postnatal exposure. Industrial and commercial II, III and IV direct contact criteria are protective for a pregnant adult receptor.
- (EE) The following are applicable generic GSI criteria as required by Section 20120a(15) of the NREPA.
- (FF) The chloride GSI criterion shall be 125 mg/l when the discharge is to surface waters of the state designated as public water supply sources or 50 mg/l when the discharge is to the Great Lakes or connecting waters. Chloride GSI criteria shall not apply for surface waters of the state that are not designated as a public water supply source, however, the total dissolved solids criterion is applicable.
- (GG) Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and commercial/industrial land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m³.
- ID Insufficient data to develop criterion.
- NA A criterion or value is not available or, in the case of background and CAS numbers, not applicable.
- NLL Hazardous substance is not likely to leach under most soil conditions.
- NLV Hazardous substance is not likely to volatilize under most conditions.
- ug/Kg Micrograms per kilogram
- ug/L Micograms per liter
- NS Not sampled
- BDL Below Laboratory Method Detection Limits
- * Statewide default soil Background levels are relevant for all land uses and are substituted for the cleanup Criterion for a Hazardous Substance whenever the applicable risk-based criterion is lower than the statewide background level for that particular Hazardous Substance (R 299.5706a(5)(b), R 299.5707).

Appendix A

Soil Boring Logs



AKTPEERLESS

environmental & energy services

22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-1

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 4 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |



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22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-2

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 4 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-3

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 4 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |



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Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-4

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 4 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | Hand Auger | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |

| DEPTH FEET | SAMPLE INTERVAL | % RECOVERY | PID VALUE | USCS SOIL CLASS. | COLOR | GEOLOGIC DESCRIPTION | | MOISTURE | TEMPORARY WELL DIAGRAM |
|------------|-----------------|------------|-----------|------------------|-------|-----------------------------|--|----------|-------------------------------|
| | | | | | | | | | |
| 2 | 100 | <0.1 | ^0.1 | | | TOPSOIL | | | |
| 4 | | <0.1 | SW | Brown | | SAND: medium grain | | M | |
| 6 | | <0.1 | | | | | | | |
| 8 | | <0.1 | | | | | | | |
| 10 | | | | | | | | | |
| 12 | | | | | | | | | |
| 14 | | | | | | | | | |
| 16 | | | | | | | | | |
| 18 | | | | | | | | | |
| 20 | | | | | | | | | |
| | | | | | | End of Boring | | | |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-5

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 4 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | Hand Auger | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |



AKTPEERLESS

environmental & energy services

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Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-7

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 16 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |



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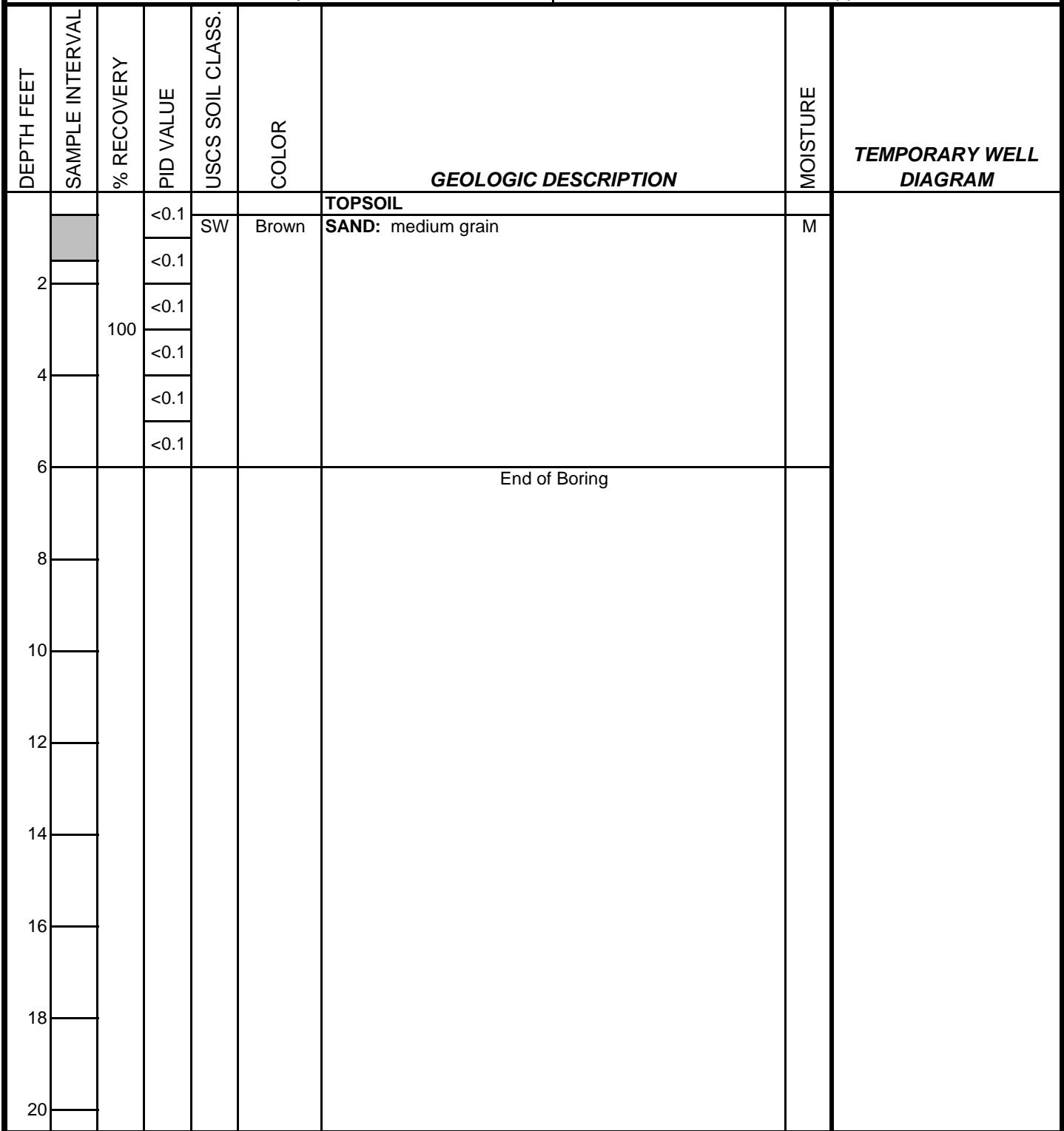
BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-8

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 6 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | Hand Auger | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |





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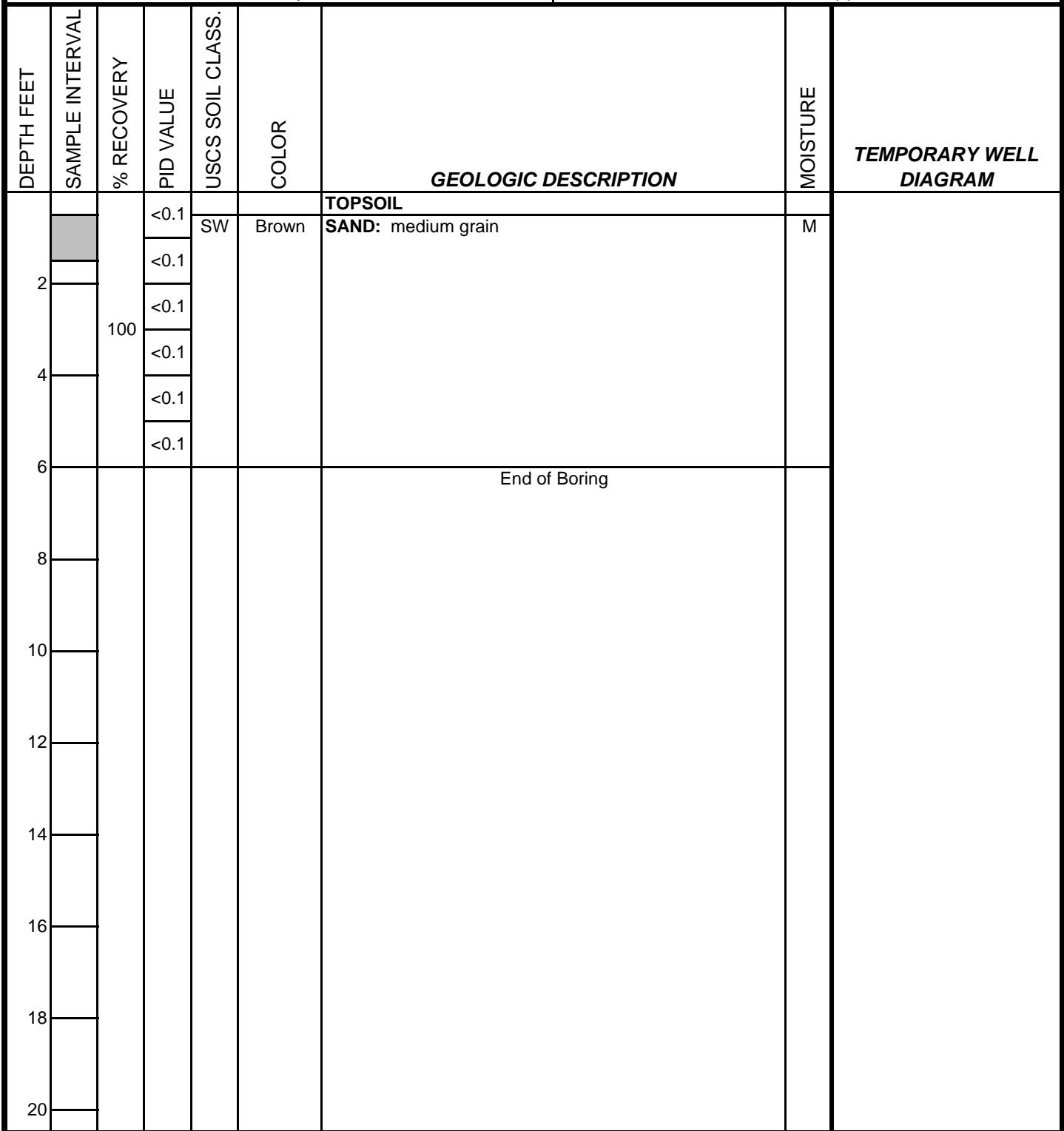
BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-9

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 6 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | Hand Auger | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |





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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-10

Drawn By: JDF
Date: 09/20/11

DRILLING COMPANY: Terra Probe Environmental

WEATHER: Sunny, 75 F

TECHNICIAN: Steve Bischoff

BORING DEPTH: 8 FEET BGS

DATE DRILLED: 08/11/11

DEPTH TO GW: Not encountered

DRILLING METHOD: GeoProbe

SCREEN INTERVAL: Not applicable

FIELD GEOLOGIST: Jeremy Fox

SCREEN MATERIAL: Not applicable

| DEPTH FEET | SAMPLE INTERVAL | % RECOVERY | PID VALUE | USCS SOIL CLASS. | COLOR | GEOLOGIC DESCRIPTION | | MOISTURE | TEMPORARY WELL DIAGRAM |
|------------|-----------------|------------|-----------|------------------|-------|----------------------|-------|---|------------------------|
| | | | | | | CONCRETE | | | |
| 2 | 100 | <0.1 | <0.1 | SW | Brown | SAND: medium grain | | M | TEMPORARY WELL DIAGRAM |
| 4 | 100 | <0.1 | <0.1 | | | | | | |
| 6 | 100 | <0.1 | <0.1 | | | | | | |
| 8 | | | | | | CL | Brown | CLAY: with some silt and a trace of sand and gravel | |
| 10 | | | | | | End of Boring | | M | |
| 12 | | | | | | | | | |
| 14 | | | | | | | | | |
| 16 | | | | | | | | | |
| 18 | | | | | | | | | |
| 20 | | | | | | | | | |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-12

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 10 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-13

Drawn By: JDF
Date: 09/20/11

DRILLING COMPANY: Terra Probe Environmental

WEATHER: Sunny, 75 F

TECHNICIAN: Steve Bischoff

BORING DEPTH: 10 FEET BGS

DATE DRILLED: 08/11/11

DEPTH TO GW: Not encountered

DRILLING METHOD: GeoProbe

SCREEN INTERVAL: Not applicable

FIELD GEOLOGIST: Jeremy Fox

SCREEN MATERIAL: Not applicable

| DEPTH FEET | SAMPLE INTERVAL | % RECOVERY | PID VALUE | USCS SOIL CLASS. | COLOR | GEOLOGIC DESCRIPTION | | MOISTURE | TEMPORARY WELL DIAGRAM | | |
|------------|-----------------|------------|-----------|------------------|-------|----------------------|--|----------|------------------------|--|--|
| | | | | | | TOPSOIL | | | | | |
| 2 | | | <0.1 | SW | Brown | SAND: medium grain | | M | TEMPORARY WELL DIAGRAM | | |
| 2 | 100 | | <0.1 | | | SAND: medium grain | | | | | |
| 4 | | | <0.1 | | | SAND: medium grain | | | | | |
| 6 | | | <0.1 | | | SAND: medium grain | | | | | |
| 8 | 100 | | <0.1 | | | SAND: medium grain | | | | | |
| 10 | | | <0.1 | | | SAND: medium grain | | | | | |
| 10 | | | | | | End of Boring | | | | | |
| 12 | | | | | | | | | | | |
| 14 | | | | | | | | | | | |
| 16 | | | | | | | | | | | |
| 18 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |



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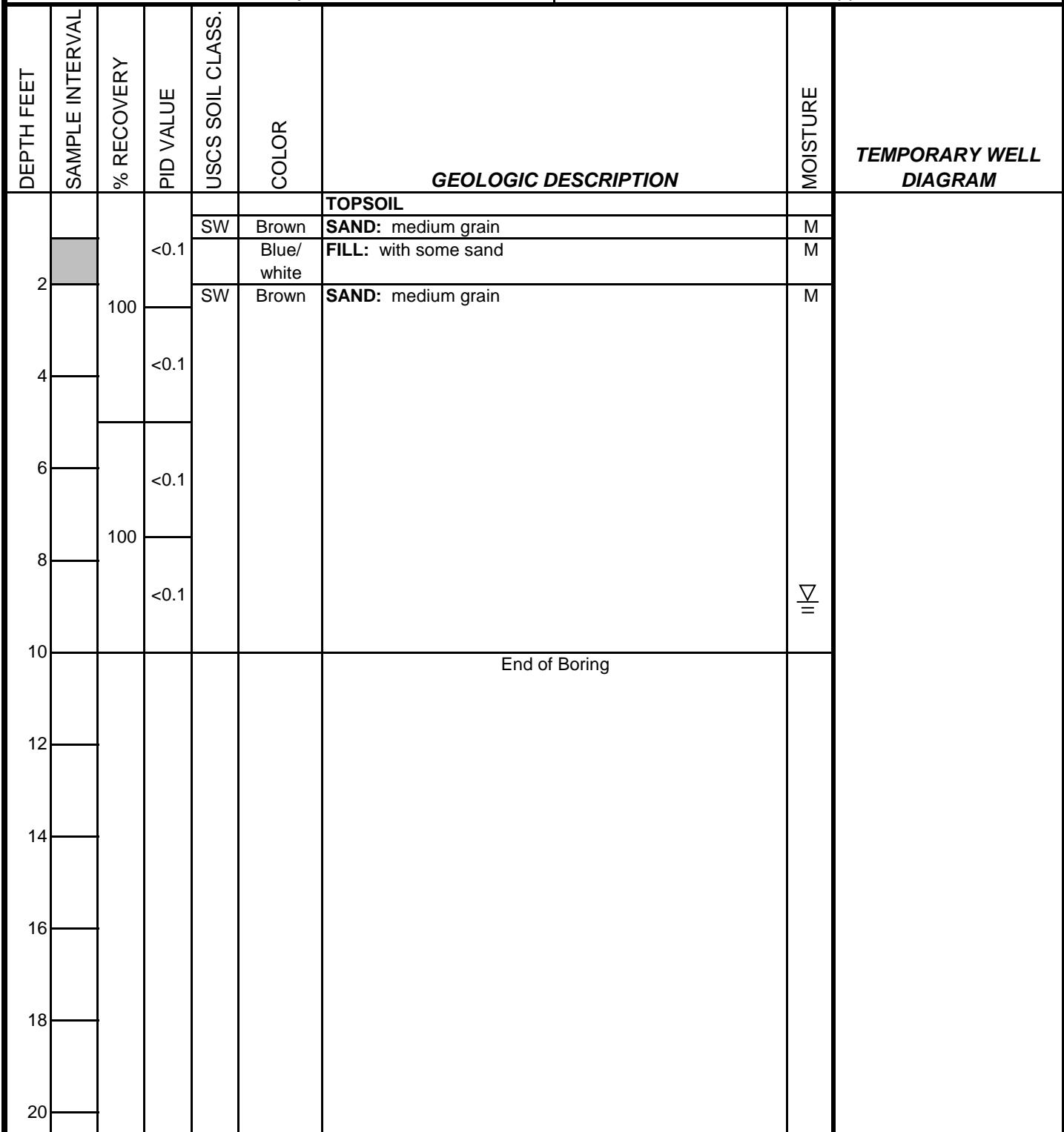
BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-14

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 10 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | 9 FEET BGS |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |





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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-15

Drawn By: JDF
Date: 09/20/11



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-22W

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 12 FEET BGS |
| DATE DRILLED: | 08/12/11 | DEPTH TO GW: | 3 FEET BGS |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | 2-7 FEET BGS |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | 1" Slotted PVC |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-23

Drawn By: JDF
Date: 09/20/11

DRILLING COMPANY: Terra Probe Environmental

WEATHER: Sunny, 75 F

TECHNICIAN: Steve Bischoff

BORING DEPTH: 12 FEET BGS

DATE DRILLED: 08/12/11

DEPTH TO GW: 4.5 FEET BGS

DRILLING METHOD: GeoProbe

SCREEN INTERVAL: Not applicable

FIELD GEOLOGIST: Jeremy Fox

SCREEN MATERIAL: Not applicable

| DEPTH FEET | SAMPLE INTERVAL | % RECOVERY | PID VALUE | USCS SOIL CLASS. | COLOR | GEOLOGIC DESCRIPTION | | MOISTURE | TEMPORARY WELL DIAGRAM |
|------------|-----------------|------------|-----------|------------------|-------|---|--|----------|------------------------|
| | | | | | | CONCRETE | | | |
| 2 | 100 | <0.1 | <0.1 | SW | Brown | SAND: medium grain | | M | ▽ |
| 4 | 100 | <0.1 | <0.1 | | | | | | |
| 6 | 100 | <0.1 | <0.1 | | | | | | |
| 8 | 100 | <0.1 | <0.1 | | | | | | |
| 10 | 100 | <0.1 | <0.1 | | | CLAY: with some silt and a trace of sand and gravel | | M | |
| 12 | | | | | | End of Boring | | | |
| 14 | | | | | | | | | |
| 16 | | | | | | | | | |
| 18 | | | | | | | | | |
| 20 | | | | | | | | | |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-24

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 12 FEET BGS |
| DATE DRILLED: | 08/12/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-25

Drawn By: JDF
Date: 09/20/11

DRILLING COMPANY: Terra Probe Environmental

WEATHER: Sunny, 75 F

TECHNICIAN: Steve Bischoff

BORING DEPTH: 6 FEET BGS

DATE DRILLED: 08/12/11

DEPTH TO GW: Not encountered

DRILLING METHOD: Hand Auger

SCREEN INTERVAL: Not applicable

FIELD GEOLOGIST: Jeremy Fox

SCREEN MATERIAL: Not applicable

| DEPTH FEET | SAMPLE INTERVAL | % RECOVERY | PID VALUE | USCS SOIL CLASS. | COLOR | GEOLOGIC DESCRIPTION | | MOISTURE | TEMPORARY WELL DIAGRAM |
|------------|-----------------|------------|-----------|------------------|-------|----------------------|--|----------|------------------------|
| | | | | | | CONCRETE | | | |
| 2 | 100 | <0.1 | 66.3 | SW | Brown | SAND: medium grain | | M | |
| 4 | | 89 | | | | | | | |
| 6 | | 28 | | | | | | | |
| 8 | | 24 | | | | | | | |
| 10 | | 11 | | | | | | | |
| 12 | | | | | | | | | |
| 14 | | | | | | | | | |
| 16 | | | | | | | | | |
| 18 | | | | | | | | | |
| 20 | | | | | | End of Boring | | | |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-26

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 12 FEET BGS |
| DATE DRILLED: | 08/12/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-27W

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 16 FEET BGS |
| DATE DRILLED: | 08/12/11 | DEPTH TO GW: | 9.5 FEET BGS |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | 8-13 FEET BGS |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | 1" Slotted PVC |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-28

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 10 FEET BGS |
| DATE DRILLED: | 08/12/11 | DEPTH TO GW: | 9 FEET BGS |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-29

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 8 FEET BGS |
| DATE DRILLED: | 08/11/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |



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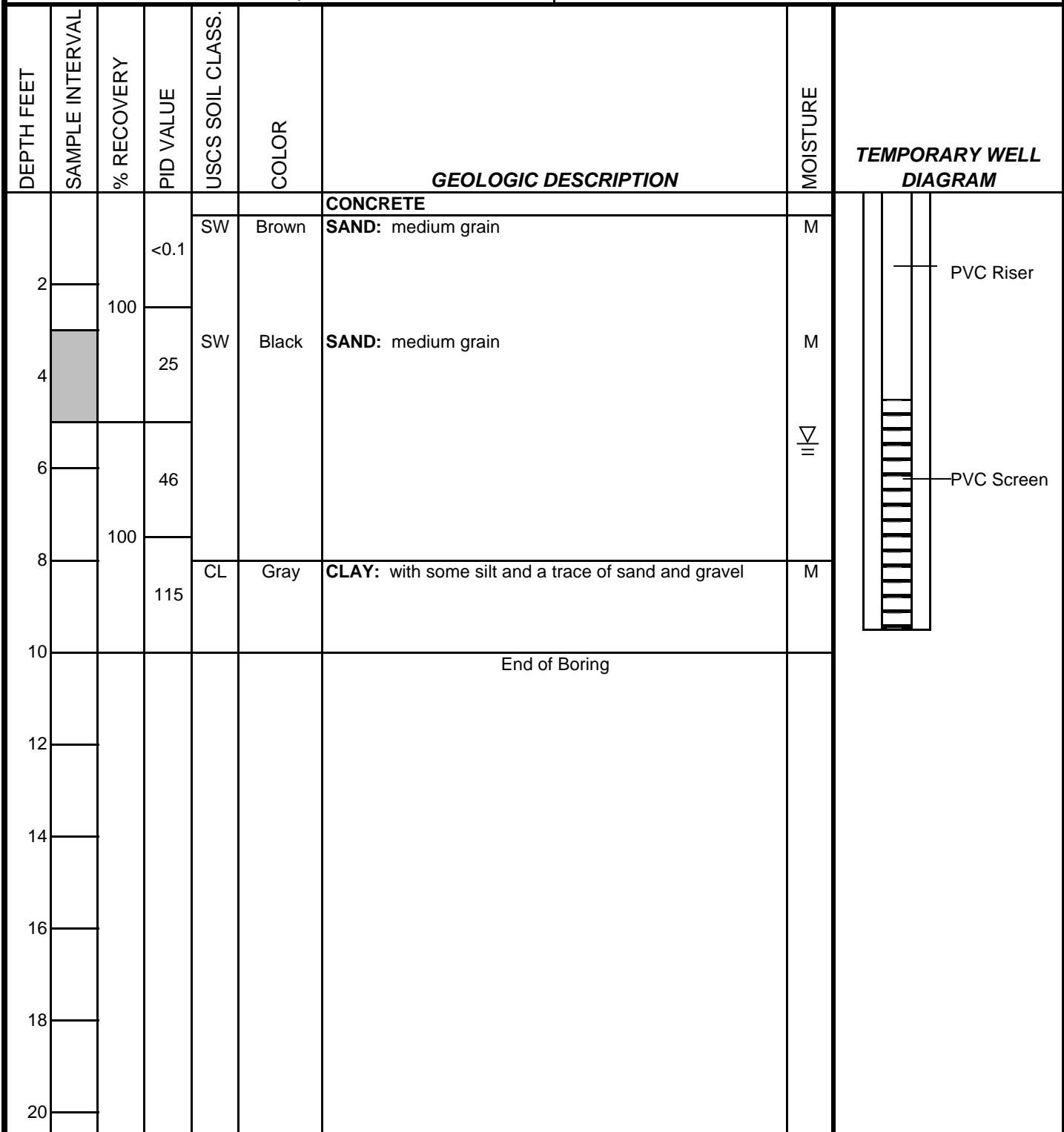
BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-30W

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|------------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 10 FEET BGS |
| DATE DRILLED: | 08/12/11 | DEPTH TO GW: | 5.5 FEET BGS |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | 4.5-9.5 FEET BGS |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | 1" Slotted PVC |





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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-31W

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 8 FEET BGS |
| DATE DRILLED: | 08/12/11 | DEPTH TO GW: | 4.5 FEET BGS |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | 3-8 FEET BGS |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | 1" Slotted PVC |



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BORING LOG

900 Alreco
Benton Harbor, Michigan
PROJECT NUMBER: 6976F-2-20

AKT-32

Drawn By: JDF
Date: 09/20/11

| | | | |
|-------------------|---------------------------|------------------|-----------------|
| DRILLING COMPANY: | Terra Probe Environmental | WEATHER: | Sunny, 75 F |
| TECHNICIAN: | Steve Bischoff | BORING DEPTH: | 12 FEET BGS |
| DATE DRILLED: | 08/12/11 | DEPTH TO GW: | Not encountered |
| DRILLING METHOD: | GeoProbe | SCREEN INTERVAL: | Not applicable |
| FIELD GEOLOGIST: | Jeremy Fox | SCREEN MATERIAL: | Not applicable |

Appendix B
Low-Flow Sampling Logs



LOW-FLOW SAMPLING LOG AKT-15W

| | | | |
|-----------------------|-------------------------|--------------------------------|--------|
| Project Number: | 6976f | Well Screen Interval (feet): | (6-11) |
| Bill Group and Phase: | 2-20 | Well Screen Diameter (inches): | 1 inch |
| Street | 900 Alreco | Initial Static Water Level: | 7 Feet |
| City, State | Benton Harbor, Michigan | Purging Start Time: | 9:15 |
| Date and Time: | 8/12/2011 | Stabilization Time: | 9:30 |
| Weather Conditions: | sunny, ~75F | Sample Collection Time: | 9:32 |

| Time | pH | Conductivity | Turbidity | Dissolved Oxygen | Temperature | ORP/eh |
|-----------|-----------------|--------------|-----------|------------------|-------------|--------|
| (Minutes) | (+/- 0.1 units) | (3%) | (10%) | (+/- 10mV) | (3%) | (10%) |
| 0 | 6.98 | 0.965 | 9 | 1.74 | 14.25 | 47.8 |
| 3 | 6.96 | 0.926 | 8 | 1.19 | 14.07 | 35.7 |
| 6 | 7.52 | 0.919 | 10 | 0.96 | 13.95 | 6.8 |
| 9 | 7.44 | 0.918 | 14 | 0.87 | 13.92 | 9.1 |
| 12 | 7.38 | 0.918 | 9 | 0.88 | 13.95 | 12.4 |
| 15 | | | | | | |
| 18 | | | | | | |
| 21 | | | | | | |
| 24 | | | | | | |
| 27 | | | | | | |
| 30 | | | | | | |
| 33 | | | | | | |
| 36 | | | | | | |
| 39 | | | | | | |
| 42 | | | | | | |
| 45 | | | | | | |
| 48 | | | | | | |
| 51 | | | | | | |
| 54 | | | | | | |
| 57 | | | | | | |
| 60 | | | | | | |



LOW-FLOW SAMPLING LOG AKT-22W

| | | | |
|-----------------------|-------------------------|--|--------|
| Project Number: | 6976f | Well Screen Interval (feet): | (2-7) |
| Bill Group and Phase: | 2-20 | Well Screen Diameter (inches): | 1 Inch |
| Street | 900 Alreco | Initial Static Water Level (0.01 feet): | 3 Feet |
| City, State | Benton Harbor, Michigan | Purging Start Time: | 10:00 |
| Date and Time: | 8/12/2011 | Stabilization Time: | 10:15 |
| Weather Conditions: | sunny, ~75F | Sample Collection Time: | 10:17 |

| Time | pH | Conductivity | Turbidity | Dissolved Oxygen | Temperature | ORP/eh |
|-----------|-----------------|--------------|-----------|------------------|-------------|--------|
| (Minutes) | (+/- 0.1 units) | (3%) | (10%) | (+/- 10mV) | (3%) | (10%) |
| 0 | 6.93 | 0.975 | 8 | 4.69 | 15.13 | 56.9 |
| 3 | 6.84 | 0.971 | 9 | 3.83 | 14.77 | 47.4 |
| 6 | 6.88 | 0.996 | 16 | 3.45 | 14.21 | 42.6 |
| 9 | 6.92 | 1.009 | 17 | 3.26 | 14.16 | 39.1 |
| 12 | 6.96 | 1.020 | 17 | 3.13 | 13.99 | 37.5 |
| 15 | | | | | | |
| 18 | | | | | | |
| 21 | | | | | | |
| 24 | | | | | | |
| 27 | | | | | | |
| 30 | | | | | | |
| 33 | | | | | | |
| 36 | | | | | | |
| 39 | | | | | | |
| 42 | | | | | | |
| 45 | | | | | | |
| 48 | | | | | | |
| 51 | | | | | | |
| 54 | | | | | | |
| 57 | | | | | | |
| 60 | | | | | | |



LOW-FLOW SAMPLING LOG AKT-27W

| | | | |
|-----------------------|-------------------------|--|----------|
| Project Number: | 6976f | Well Screen Interval (feet): | (8-13) |
| Bill Group and Phase: | 2-20 | Well Screen Diameter (inches): | 1 Inch |
| Street | 900 Alreco | Initial Static Water Level (0.01 feet): | 9.5 Feet |
| City, State | Benton Harbor, Michigan | Purging Start Time: | 12:45 |
| Date and Time: | 8/12/2011 | Stabilization Time: | 13:00 |
| Weather Conditions: | sunny, ~75F | Sample Collection Time: | 13:02 |

| Time | pH | Conductivity | Turbidity | Dissolved Oxygen | Temperature | ORP/eh |
|-----------|--|--------------|-----------|------------------|-------------|--------|
| (Minutes) | (+/- 0.1 units) | (3%) | (10%) | (+/- 10mV) | (3%) | (10%) |
| 0 | | | | | | |
| 3 | | | | | | |
| 6 | | | | | | |
| 9 | | | | | | |
| 12 | Insufficient Water for Low Flow Sampling | | | | | |
| 15 | | | | | | |
| 18 | | | | | | |
| 21 | | | | | | |
| 24 | | | | | | |
| 27 | | | | | | |
| 30 | | | | | | |
| 33 | | | | | | |
| 36 | | | | | | |
| 39 | | | | | | |
| 42 | | | | | | |
| 45 | | | | | | |
| 48 | | | | | | |
| 51 | | | | | | |
| 54 | | | | | | |
| 57 | | | | | | |
| 60 | | | | | | |



LOW-FLOW SAMPLING LOG AKT-30W

| | | | |
|-----------------------|-------------------------|--|-----------|
| Project Number: | 6976f | Well Screen Interval (feet): | (4.5-9.5) |
| Bill Group and Phase: | 2-20 | Well Screen Diameter (inches): | 1 Inch |
| Street | 900 Alreco | Initial Static Water Level (0.01 feet): | 5.5 Feet |
| City, State | Benton Harbor, Michigan | Purging Start Time: | 11:00 |
| Date and Time: | 8/12/2011 | Stabilization Time: | 11:15 |
| Weather Conditions: | sunny, ~75F | Sample Collection Time: | 11:17 |

| Time | pH | Conductivity | Turbidity | Dissolved Oxygen | Temperature | ORP/eh |
|-----------|-----------------|--------------|-----------|------------------|-------------|--------|
| (Minutes) | (+/- 0.1 units) | (3%) | (10%) | (+/- 10mV) | (3%) | (10%) |
| 0 | 6.88 | 0.612 | 20 | 9.59 | 15.00 | 96.2 |
| 3 | 6.89 | 0.591 | 19 | 6.06 | 14.18 | 54.3 |
| 6 | 6.99 | 0.581 | 18 | 6.31 | 13.78 | 47.5 |
| 9 | 7.15 | 0.589 | 18 | 6.62 | 13.70 | 42.1 |
| 12 | 7.27 | 0.599 | 18 | 7.66 | 13.51 | 40.6 |
| 15 | | | | | | |
| 18 | | | | | | |
| 21 | | | | | | |
| 24 | | | | | | |
| 27 | | | | | | |
| 30 | | | | | | |
| 33 | | | | | | |
| 36 | | | | | | |
| 39 | | | | | | |
| 42 | | | | | | |
| 45 | | | | | | |
| 48 | | | | | | |
| 51 | | | | | | |
| 54 | | | | | | |
| 57 | | | | | | |
| 60 | | | | | | |



LOW-FLOW SAMPLING LOG AKT-31W

| | | | |
|-----------------------|-------------------------|--|----------|
| Project Number: | 6976f | Well Screen Interval (feet): | (3-8) |
| Bill Group and Phase: | 2-20 | Well Screen Diameter (inches): | 1 Inch |
| Street | 900 Alreco | Initial Static Water Level (0.01 feet): | 4.5 Feet |
| City, State | Benton Harbor, Michigan | Purging Start Time: | 15:47 |
| Date and Time: | 8/12/2011 | Stabilization Time: | 16:04 |
| Weather Conditions: | sunny, ~75F | Sample Collection Time: | 16:06 |

| Time | pH | Conductivity | Turbidity | Dissolved Oxygen | Temperature | ORP/eh |
|-----------|-----------------|--------------|-----------|------------------|-------------|--------|
| (Minutes) | (+/- 0.1 units) | (3%) | (10%) | (+/- 10mV) | (3%) | (10%) |
| 0 | 7.08 | 1.635 | 28 | 5.78 | 14.16 | 71.5 |
| 3 | 7.09 | 1.531 | 21 | 1.52 | 13.73 | 33.2 |
| 6 | 7.03 | 1.505 | 20 | 1.50 | 13.69 | 31.6 |
| 9 | 7.00 | 1.473 | 17 | 1.59 | 13.74 | 30.9 |
| 12 | 6.93 | 1.464 | 17 | 1.59 | 13.74 | 30.0 |
| 15 | | | | | | |
| 18 | | | | | | |
| 21 | | | | | | |
| 24 | | | | | | |
| 27 | | | | | | |
| 30 | | | | | | |
| 33 | | | | | | |
| 36 | | | | | | |
| 39 | | | | | | |
| 42 | | | | | | |
| 45 | | | | | | |
| 48 | | | | | | |
| 51 | | | | | | |
| 54 | | | | | | |
| 57 | | | | | | |
| 60 | | | | | | |

Appendix C
Laboratory Analytical Report

Wednesday, September 21, 2011

Fibertec Project Number: 45884 Supplemental
Project Identification: 6976f-2-20 /
Submittal Date: 08/16/2011

Mr. Jeremy Fox
AKT Peerless Environ. Svcs, Inc. - Farm. Hills
22725 Orchard Lake Road
Farmington Hills, MI 48336

Dear Mr. Fox,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note samples will be disposed of 30 days after reporting date.

A dioxin screen was performed for compound 2,3,7,8-TCDD on samples 45884-039 (SALT CAKE) and 45884-040 (BAGHOUSE RESIDUE) and was not detected.

Sample 45884-028 (AKT-27 W) was represerved with nitric acid at laboratory on August 16, 2011 for metals analysis due to a high pH reading.

As discussed, AKT30 (8-10) was received but wasn't on the chain of custody and was put on hold. Also the PCB analysis was cancelled on AKT-15W MS and MSD.

The voa vials for 45884-028 (AKT-27 W) were full of soil. Sample had to be decanted and analyzed.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,



Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

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| | | | | | | | |
|------------------------|---|---------------------|--------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-1 (1-2) | | Chain of Custody: | 106892 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 1 | | Collect Date: | 08/11/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | | |
|--|------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-001A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Percent Moisture (Water Content) (NN) | 8.4 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | | |
|---|-----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-001A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Magnesium | 13000000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19C |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | | |
|--|----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-001A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Aluminum | 4500000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C |
| 2. Arsenic | 5000 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C |
| 3. Cadmium | 150 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C |
| 4. Chromium | 7500 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C |
| 5. Lead | 12000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 6. Manganese | 610000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C |
| 7. Nickel | 14000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 8. Selenium | | U | µg/kg | 200 | 20 | 08/19/11 | PT11H19C |
| 9. Zinc | 51000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |

| Mercury by CVAAS (EPA 7471B) | | | | | | | |
|-------------------------------------|--------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-001A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Mercury | | U | µg/kg | 50 | 10 | 08/19/11 | PM11H19A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | | |
|--|--------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-001 | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Acetone | | U | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19A |
| 2. Acrylonitrile | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A |
| 3. Benzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A |
| 4. Bromobenzene | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A |
| 5. Bromochloromethane | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A |
| 6. Bromodichloromethane | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A |
| 7. Bromoform | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A |
| 8. Bromomethane | | U | µg/kg | 200 | 1.0 | 08/19/11 | V911H19A |
| 9. 2-Butanone | | U | µg/kg | 750 | 1.0 | 08/19/11 | V911H19A |
| 10. n-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A |
| 11. sec-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A |
| 12. tert-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A |
| 13. Carbon Disulfide | | U | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A |

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| | | | | | |
|--|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-1 (1-2) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 1 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-001 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

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| | | | | | |
|---|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-1 (1-2) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 1 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-001 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-001A | | Matrix: Soil/Solid | Analyst: BDA | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 12. Fluorene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 15. Phenanthrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 16. Pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |

| | | | |
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|---|--|---|---|

| | | | | | | | |
|------------------------|---|---------------------|--------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-2 (1-2) | | Chain of Custody: | 106892 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 2 | | Collect Date: | 08/11/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | | |
|--|-----------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-002A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Percent Moisture (Water Content) (NN) | 14 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | | |
|---|----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-002A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Magnesium | 5100000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19C |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | | |
|--|----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-002A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Aluminum | 4600000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C |
| 2. Arsenic | 2000 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C |
| 3. Cadmium | U | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C |
| 4. Chromium | 6600 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C |
| 5. Lead | 4800 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 6. Manganese | 190000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 7. Nickel | 11000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 8. Selenium | U | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C |
| 9. Zinc | 26000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |

| Mercury by CVAAS (EPA 7471B) | | | | | | | |
|-------------------------------------|----------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-002A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | | |
|--|----------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-002 | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19A |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19A |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19A |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A |

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| | | | | | |
|--|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-2 (1-2) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 2 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-002 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 20. Dibromochloromethane | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 40. Methylene Chloride | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

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| | | | | | |
|---|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-2 (1-2) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 2 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-002 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-002A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |

| | | | | | | | |
|------------------------|---|---------------------|--------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-3 (1-2) | | Chain of Custody: | 106892 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 3 | | Collect Date: | 08/11/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | Aliquot ID: 45884-003A | | Matrix: Soil/Solid | Analyst: ZSM | | |
|--|-----------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 12 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | Aliquot ID: 45884-003A | | Matrix: Soil/Solid | Analyst: MAP | | |
|---|----------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 3700000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | Aliquot ID: 45884-003A | | Matrix: Soil/Solid | Analyst: JLH | | |
|--|----------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 2900000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 2. Arsenic | 1400 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | U | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 4900 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 4100 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 160000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 8600 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | U | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 29000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | Aliquot ID: 45884-003A | | Matrix: Soil/Solid | Analyst: JLH | | |
|-------------------------------------|----------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-003 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|----------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |

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| | | | | | |
|------------------------|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-3 (1-2) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 3 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-003 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|---------------|----------|--------------|------------------------------|-----------------|---------------------------|---------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |

| | | | | | |
|---|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-3 (1-2) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 3 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-003 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-003A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |

| | | | | | | | |
|------------------------|---|---------------------|-----------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-3 (1-2) MS | | Chain of Custody: | 106892 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 4 | | Collect Date: | 08/11/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | | |
|--|-------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-004A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Percent Moisture (Water Content) (NN) | 10.0 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | | |
|---|-----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-004A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Magnesium | 18000000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19C |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | | |
|--|----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-004A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Aluminum | 2600000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C |
| 2. Arsenic | 11000 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C |
| 3. Cadmium | 11000 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C |
| 4. Chromium | 25000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C |
| 5. Lead | 24000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 6. Manganese | 290000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 7. Nickel | 28000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 8. Selenium | 9900 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C |
| 9. Zinc | 69000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |

| Mercury by CVAAS (EPA 7471B) | | | | | | | |
|-------------------------------------|------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-004A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Mercury | 220 | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | | |
|--|-------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-004 | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Acetone | 4600 | | µg/kg | 1000 | 1.0 | 08/18/11 | V911H18A |
| 2. Acrylonitrile | 4600 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A |
| 3. Benzene | 4900 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A |
| 4. Bromobenzene | 5600 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A |
| 5. Bromochloromethane | 4700 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A |
| 6. Bromodichloromethane | 5800 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A |
| 7. Bromoform | 5700 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A |
| 8. Bromomethane | 3700 | | µg/kg | 200 | 1.0 | 08/18/11 | V911H18A |
| 9. 2-Butanone | 5500 | | µg/kg | 750 | 1.0 | 08/18/11 | V911H18A |
| 10. n-Butylbenzene | 6100 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A |
| 11. sec-Butylbenzene | 5800 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A |
| 12. tert-Butylbenzene | 6000 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A |
| 13. Carbon Disulfide | 3300 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A |

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 F: (231) 775-8584

| | | | | | |
|------------------------|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-3 (1-2) MS | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 4 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-004 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | 5700 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 15. Chlorobenzene | 5500 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 16. Chloroethane | 4000 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 17. Chloroform | 4800 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 18. Chloromethane | 3800 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 19. 2-Chlorotoluene | 5600 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 20. Dibromochloromethane | 6900 | | µg/kg | 110 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 21. 1,2-Dibromo-3-chloropropane (NN) | 5300 | | µg/kg | 10 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 22. Dibromomethane | 5400 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 23. 1,2-Dichlorobenzene | 5600 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 24. 1,3-Dichlorobenzene | 5700 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 25. 1,4-Dichlorobenzene | 5500 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 26. Dichlorodifluoromethane | 3900 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 27. 1,1-Dichloroethane | 4400 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 28. 1,2-Dichloroethane | 11000 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 29. 1,1-Dichloroethene | 4300 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 30. cis-1,2-Dichloroethene | 4500 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 31. trans-1,2-Dichloroethene | 4300 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 32. 1,2-Dichloropropane | 5100 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 33. cis-1,3-Dichloropropene | 5600 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 34. trans-1,3-Dichloropropene | 5600 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 35. Ethylbenzene | 5600 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 36. Ethylene Dibromide | 12000 | | µg/kg | 20 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 37. 2-Hexanone | 6000 | | µg/kg | 2500 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 38. Isopropylbenzene | 5700 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 39. Methyl Iodide | 4900 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 40. Methylene Chloride | 4200 | | µg/kg | 110 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 41. 4-Methyl-2-pentanone | 5200 | | µg/kg | 2500 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 42. MTBE | 10000 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 43. Naphthalene | 5700 | | µg/kg | 330 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 44. n-Propylbenzene | 5700 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 45. Styrene | 6100 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 46. 1,1,1,2-Tetrachloroethane | 6300 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 47. 1,1,2,2-Tetrachloroethane | 6200 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 48. Tetrachloroethene | 5500 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 49. Toluene | 5000 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 50. 1,2,4-Trichlorobenzene | 5500 | | µg/kg | 330 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 51. 1,1,1-Trichloroethane | 4900 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 52. 1,1,2-Trichloroethane | 5800 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 53. Trichloroethene | 5200 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |

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| | | | | | |
|---|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-3 (1-2) MS | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 4 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-004 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | 6900 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 55. 1,2,3-Trichloropropane | 5900 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 56. 1,2,3-Trimethylbenzene (NN) | 5900 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 57. 1,2,4-Trimethylbenzene | 5800 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 58. 1,3,5-Trimethylbenzene | 5700 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 59. Vinyl Chloride | 4600 | | µg/kg | 40 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 60. Xylenes | 17000 | | µg/kg | 150 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-004A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|-------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | 5400 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 2. Acenaphthylene | 5500 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 3. Anthracene | 5500 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 4. Benzo(a)anthracene | 5700 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 5. Benzo(a)pyrene | 5800 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 6. Benzo(b)fluoranthene | 5600 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 7. Benzo(ghi)perylene | 5600 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 8. Benzo(k)fluoranthene | 5700 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 9. Chrysene | 5000 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 10. Dibenzo(a,h)anthracene | 5400 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 11. Fluoranthene | 6100 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 12. Fluorene | 5600 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 13. Indeno(1,2,3-cd)pyrene | 5600 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 14. 2-Methylnaphthalene | 4800 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 15. Phenanthrene | 5600 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 16. Pyrene | 5900 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |

| | | | |
|---|--|---|---|
| 1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail | Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 | T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 | F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584 |
|---|--|---|---|

| | | | | | | | |
|------------------------|---|---------------------|------------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-3 (1-2) MSD | | Chain of Custody: | 106892 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 5 | | Collect Date: | 08/11/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | | |
|--|-----------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-005A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Percent Moisture (Water Content) (NN) | 13 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | | |
|---|-----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-005A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Magnesium | 22000000 | | µg/kg | 4000000 | 40 | 08/19/11 | PT11H19C |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | | |
|--|----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-005A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Aluminum | 4700000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C |
| 2. Arsenic | 12000 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C |
| 3. Cadmium | 11000 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C |
| 4. Chromium | 26000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C |
| 5. Lead | 25000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 6. Manganese | 350000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 7. Nickel | 31000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 8. Selenium | 10000 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C |
| 9. Zinc | 81000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |

| Mercury by CVAAS (EPA 7471B) | | | | | | | |
|-------------------------------------|------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-005A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Mercury | 220 | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | | |
|--|-------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-005 | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Acetone | 4900 | | µg/kg | 1000 | 1.0 | 08/18/11 | V911H18A |
| 2. Acrylonitrile | 5100 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A |
| 3. Benzene | 5400 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A |
| 4. Bromobenzene | 6200 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A |
| 5. Bromochloromethane | 5000 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A |
| 6. Bromodichloromethane | 6400 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A |
| 7. Bromoform | 6300 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A |
| 8. Bromomethane | 4200 | | µg/kg | 200 | 1.0 | 08/18/11 | V911H18A |
| 9. 2-Butanone | 6000 | | µg/kg | 750 | 1.0 | 08/18/11 | V911H18A |
| 10. n-Butylbenzene | 6900 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A |
| 11. sec-Butylbenzene | 6400 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A |
| 12. tert-Butylbenzene | 6600 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A |
| 13. Carbon Disulfide | 4600 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A |

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| | | | | | |
|------------------------|---|---------------------|------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-3 (1-2) MSD | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 5 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-005 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | 6300 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 15. Chlorobenzene | 6000 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 16. Chloroethane | 4300 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 17. Chloroform | 5200 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 18. Chloromethane | 4700 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 19. 2-Chlorotoluene | 6100 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 20. Dibromochloromethane | 7600 | | µg/kg | 120 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 21. 1,2-Dibromo-3-chloropropane (NN) | 6000 | | µg/kg | 10 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 22. Dibromomethane | 5900 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 23. 1,2-Dichlorobenzene | 6200 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 24. 1,3-Dichlorobenzene | 6300 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 25. 1,4-Dichlorobenzene | 6000 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 26. Dichlorodifluoromethane | 4400 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 27. 1,1-Dichloroethane | 4900 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 28. 1,2-Dichloroethane | 12000 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 29. 1,1-Dichloroethene | 5500 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 30. cis-1,2-Dichloroethene | 4900 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 31. trans-1,2-Dichloroethene | 4800 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 32. 1,2-Dichloropropane | 5500 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 33. cis-1,3-Dichloropropene | 6100 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 34. trans-1,3-Dichloropropene | 6100 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 35. Ethylbenzene | 6200 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 36. Ethylene Dibromide | 14000 | | µg/kg | 20 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 37. 2-Hexanone | 6800 | | µg/kg | 2500 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 38. Isopropylbenzene | 6400 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 39. Methyl Iodide | 6200 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 40. Methylene Chloride | 4500 | | µg/kg | 120 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 41. 4-Methyl-2-pentanone | 5700 | | µg/kg | 2500 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 42. MTBE | 11000 | | µg/kg | 250 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 43. Naphthalene | 6500 | | µg/kg | 330 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 44. n-Propylbenzene | 6400 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 45. Styrene | 6700 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 46. 1,1,1,2-Tetrachloroethane | 6900 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 47. 1,1,2,2-Tetrachloroethane | 6800 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 48. Tetrachloroethene | 6200 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 49. Toluene | 5500 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 50. 1,2,4-Trichlorobenzene | 6100 | | µg/kg | 330 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 51. 1,1,1-Trichloroethane | 5400 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 52. 1,1,2-Trichloroethane | 6700 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 53. Trichloroethene | 5700 | | µg/kg | 50 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |

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|---|---|---------------------|------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-3 (1-2) MSD | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 5 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-005 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | 7700 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 55. 1,2,3-Trichloropropane | 6300 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 56. 1,2,3-Trimethylbenzene (NN) | 6500 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 57. 1,2,4-Trimethylbenzene | 6500 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 58. 1,3,5-Trimethylbenzene | 6400 | | µg/kg | 100 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 59. Vinyl Chloride | 5100 | | µg/kg | 40 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |
| 60. Xylenes | 19000 | | µg/kg | 150 | 1.0 | 08/18/11 | V911H18A | 08/18/11 | V911H18A |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-005A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|-------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | 5800 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 2. Acenaphthylene | 5900 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 3. Anthracene | 5900 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 4. Benzo(a)anthracene | 6100 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 5. Benzo(a)pyrene | 6300 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 6. Benzo(b)fluoranthene | 6200 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 7. Benzo(ghi)perylene | 5600 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 8. Benzo(k)fluoranthene | 6200 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 9. Chrysene | 5300 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 10. Dibenzo(a,h)anthracene | 5600 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 11. Fluoranthene | 6700 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 12. Fluorene | 5900 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 13. Indeno(1,2,3-cd)pyrene | 5800 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 14. 2-Methylnaphthalene | 5000 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 15. Phenanthrene | 5900 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |
| 16. Pyrene | 6300 | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S711H19B |

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|---|--|---|---|

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|------------------------|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-4 (3-4) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 6 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-006A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|-----------|---|-------|-----------------|----------|-------------------------------|---------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 15 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-006 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|------------------------------|---------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 20. Dibromochloromethane | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 29. 1,1-Dichloroethylene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

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| | | | | | |
|--|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-4 (3-4) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 6 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-006 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 37.2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 40. Methylene Chloride | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 41.4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 46.1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 47.1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 50.1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 51.1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 52.1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 55.1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 56.1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 57.1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 58.1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-006A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |

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| | | | | | |
|---|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-4 (3-4) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 6 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-006A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |

| | | | | | |
|------------------------|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-5 (3-4) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 7 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-007A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|-----------|---|-------|-----------------|----------|-------------------------------|---------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 16 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-007 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|------------------------------|---------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 20. Dibromochloromethane | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

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| | | | | | |
|------------------------|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-5 (3-4) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 7 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-007 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 37.2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 40. Methylene Chloride | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 41.4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 46.1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 47.1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 50.1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 51.1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 52.1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 55.1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 56.1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 57.1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 58.1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-007A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |

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Analytical Laboratory Report
Laboratory Project Number: 45884
Laboratory Sample Number: 45884-007

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Date: 09/21/11

| | | | | | |
|--|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-5 (3-4) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 7 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | Aliquot ID: 45884-007A | | | Matrix: Soil/Solid | Analyst: HLS | | | |
|--|--------|-------------------------------|-------|-----------------|---------------------------|---------------------|------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |

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| | | | | | |
|---|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-6 (3-4) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 8 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Dry Weight Determination (ASTM D 2974-87) | | | | Aliquot ID: 45884-008A | | Matrix: Soil/Solid | | Analyst: ZSM | |
|--|-----------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 20 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-008 | | Matrix: Soil/Solid | | Analyst: JAS | |
|--|--------|---|-------|------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 20. Dibromochloromethane | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

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| | | | | | |
|--|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-6 (3-4) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 8 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-008 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 37.2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 40. Methylene Chloride | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 41.4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 46.1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 47.1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 50.1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 51.1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 52.1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 55.1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 56.1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 57.1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 58.1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-008A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |

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|---|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-6 (3-4) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 8 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-008A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/21/11 | S711H20A |

| | | | | | | | |
|------------------------|---|---------------------|--------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-7 (1-2) | | Chain of Custody: | 106892 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 9 | | Collect Date: | 08/11/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | Aliquot ID: 45884-009A | | Matrix: Soil/Solid | | Analyst: ZSM | |
|--|-----------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 21 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | Aliquot ID: 45884-009A | | Matrix: Soil/Solid | | Analyst: MAP | |
|---|-----------------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 30000000 | | µg/kg | 4000000 | 40 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | Aliquot ID: 45884-009A | | Matrix: Soil/Solid | | Analyst: JLH | |
|--|-----------------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 12000000 | | µg/kg | 100000 | 2000 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 2. Arsenic | 2300 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | 140 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 18000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 9400 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 500000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 28000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | 320 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 64000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | Aliquot ID: 45884-009A | | Matrix: Soil/Solid | | Analyst: JLH | |
|-------------------------------------|----------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-009 | | Matrix: Soil/Solid | | Analyst: JAS | |
|--|----------|---|-------|------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

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|--|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-7 (1-2) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 9 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-009 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 20. Dibromochloromethane | U | | µg/kg | 130 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 40. Methylene Chloride | U | | µg/kg | 130 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

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| | | | | | |
|---|---|---------------------|--------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-7 (1-2) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 9 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-009 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19A | 08/19/11 | V911H19A |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-009A | | Matrix: Soil/Solid | Analyst: TMC | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/19/11 | S111H19B |

| | | | | | | | |
|------------------------|---|---------------------|------------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-8 (0.5-1.5) | | Chain of Custody: | 106892 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 10 | | Collect Date: | 08/11/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | Aliquot ID: 45884-010A | | Matrix: Soil/Solid | | Analyst: ZSM | |
|--|------------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 8.7 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | Aliquot ID: 45884-010A | | Matrix: Soil/Solid | | Analyst: MAP | |
|---|----------------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 1900000 | | µg/kg | 20000 | 20 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | Aliquot ID: 45884-010A | | Matrix: Soil/Solid | | Analyst: JLH | |
|--|----------------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 7000000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 2. Arsenic | 2000 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 3. Cadmium | 320 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 9800 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 5. Lead | 15000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 6. Manganese | 160000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 7. Nickel | 9800 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 8. Selenium | 310 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 9. Zinc | 130000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | Aliquot ID: 45884-010A | | Matrix: Soil/Solid | | Analyst: JLH | |
|-------------------------------------|----------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-010 | | Matrix: Soil/Solid | | Analyst: JAS | |
|--|----------|---|-------|------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|--|---|---------------------|------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-8 (0.5-1.5) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 10 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-010 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-8 (0.5-1.5) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 10 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-010 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-010A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 12. Fluorene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 15. Phenanthrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |
| 16. Pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/22/11 | S711H22A |

| | | | | | |
|------------------------|---|---------------------|-----------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-9 (0.5-1.5) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 11 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-011A | Matrix: Soil/Solid | Analyst: ZSM | |
|---|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 8.3 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-011A | Matrix: Soil/Solid | Analyst: MAP | |
|--|----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 12000000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-011A | Matrix: Soil/Solid | Analyst: JLH | |
|---|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 5800000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 2. Arsenic | 4800 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | 1200 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 14000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 16000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 450000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 13000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | 610 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 170000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-011A | Matrix: Soil/Solid | Analyst: JLH | |
|------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | 100 | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | | | Aliquot ID: 45884-011A | Matrix: Soil/Solid | Analyst: BDA | |
|---|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 2. Aroclor-1221 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 3. Aroclor-1232 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 4. Aroclor-1242 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 5. Aroclor-1248 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 6. Aroclor-1254 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 7. Aroclor-1260 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-011 | Matrix: Soil/Solid | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-9 (0.5-1.5) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 11 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-011 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|------------------------------|---------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|--|---|---------------------|------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-9 (0.5-1.5) | Chain of Custody: | 106892 |
| Client Project Name: | 6976f-2-20 | Sample No: | 11 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-011 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-011A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 12. Fluorene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 15. Phenanthrene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 16. Pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |

| | | | |
|------------------------|--------------------|-------------------|-------------------|
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| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-10 (1-2) | | Chain of Custody: | 106893 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 12 | | Collect Date: | 08/11/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | Aliquot ID: 45884-012A | | Matrix: Soil/Solid | Analyst: ZSM | | |
|--|------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 9.1 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | Aliquot ID: 45884-012A | | Matrix: Soil/Solid | Analyst: MAP | | |
|---|----------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 1700000 | | µg/kg | 20000 | 20 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | Aliquot ID: 45884-012A | | Matrix: Soil/Solid | Analyst: JLH | | |
|--|-----------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 10000000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 2. Arsenic | 3300 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | 190 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 18000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 21000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 260000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 15000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | | U | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 120000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | Aliquot ID: 45884-012A | | Matrix: Soil/Solid | Analyst: JLH | | |
|-------------------------------------|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | | U | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-012 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | | U | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 2. Acrylonitrile | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | | U | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | | U | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | | U | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-10 (1-2) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 12 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-012 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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|---|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-10 (1-2) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 12 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-012 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-012A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |

| | | | | | |
|--|---|---------------------|--------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-12 (1-2) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 13 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-013A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 38 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-013A | Matrix: Soil/Solid | Analyst: MAP | |
|---|----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 16000000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-013A | Matrix: Soil/Solid | Analyst: JLH | |
|--|-----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 160000000 | | µg/kg | 500000 | 10000 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 2. Arsenic | 2500 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | 5500 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 180000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 540000 | | µg/kg | 1000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 810000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 150000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | 1800 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 3900000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-013A | Matrix: Soil/Solid | Analyst: JLH | |
|-------------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | | | Aliquot ID: 45884-013A | Matrix: Soil/Solid | Analyst: GAN | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 530 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 2. Aroclor-1221 | U | | µg/kg | 530 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 3. Aroclor-1232 | U | | µg/kg | 530 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 4. Aroclor-1242 | U | | µg/kg | 530 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 5. Aroclor-1248 | U | | µg/kg | 530 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 6. Aroclor-1254 | U | | µg/kg | 530 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 7. Aroclor-1260 | U | | µg/kg | 530 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 530 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 530 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-013 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-12 (1-2) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 13 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-013 | Matrix: Soil/Solid | Analyst: JAS | |
|--|---------------|----------|--------------|------------------------|-----------------|------------------------------|---------------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 160 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 160 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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11766 E. Grand River
8660 S. Mackinaw Trail

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Brighton, MI 48116
Cadillac, MI 49601

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F: (231) 775-8584

| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-12 (1-2) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 13 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-013 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-013A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S711H19B |

| | | | |
|---|--|---|---|
| 1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail | Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 | T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 | F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584 |
| DCSID: G-610.13 (03/21/11) | lab@fibertec.us | RSN: 45884-110921165102 | |

| | | | | | | | |
|------------------------|---|---------------------|-----------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-13 (2.5-3) | | Chain of Custody: | 106893 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 14 | | Collect Date: | 08/11/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | Aliquot ID: 45884-014A | | Matrix: Soil/Solid | | Analyst: ZSM | |
|--|-----------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 20 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | Aliquot ID: 45884-014A | | Matrix: Soil/Solid | | Analyst: MAP | |
|---|----------------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 2500000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | Aliquot ID: 45884-014A | | Matrix: Soil/Solid | | Analyst: JLH | |
|--|-----------------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 26000000 | | µg/kg | 100000 | 2000 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 2. Arsenic | 2000 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | U | | µg/kg | 2000 | 2000 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 4. Chromium | 36000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 78000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 250000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 37000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | 690 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 1100000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | Aliquot ID: 45884-014A | | Matrix: Soil/Solid | | Analyst: JLH | |
|-------------------------------------|----------|---|-------|-------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-014 | | Matrix: Soil/Solid | | Analyst: JAS | |
|--|----------|---|-------|------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|--|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-13 (2.5-3) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 14 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-014 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 130 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 130 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-13 (2.5-3) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 14 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | Aliquot ID: 45884-014 | | Matrix: Soil/Solid | Analyst: JAS | |
|--|---------------|----------|--------------|------------------------|------------------------------|------------------|---------------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | | Aliquot ID: 45884-014A | | Matrix: Soil/Solid | Analyst: HLS | |
|--|---------------|----------|--------------|------------------------|-------------------------------|------------------|---------------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |

| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-14 (1-2) | | Chain of Custody: | 106893 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 15 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | Aliquot ID: 45884-015A | | | Matrix: Soil/Solid | Analyst: ZSM | | |
|--|-----------|---|-------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 30 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | Aliquot ID: 45884-015A | | | Matrix: Soil/Solid | Analyst: MAP | | |
|---|----------------|---|-------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 6500000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | Aliquot ID: 45884-015A | | | Matrix: Soil/Solid | Analyst: JLH | | |
|--|------------------|---|-------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 140000000 | | µg/kg | 500000 | 10000 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 2. Arsenic | 4800 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | 6300 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 120000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 1100000 | | µg/kg | 1000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 830000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 210000 | | µg/kg | 10000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | 1800 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 8300000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | Aliquot ID: 45884-015A | | | Matrix: Soil/Solid | Analyst: JLH | | |
|-------------------------------------|----------|---|-------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | Aliquot ID: 45884-015A | | | Matrix: Soil/Solid | Analyst: GAN | | |
|--|-------------|---|-------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 4700 | 10 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 2. Aroclor-1221 | U | | µg/kg | 4700 | 10 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 3. Aroclor-1232 | U | | µg/kg | 4700 | 10 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 4. Aroclor-1242 | U | | µg/kg | 4700 | 10 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 5. Aroclor-1248 | 6800 | | µg/kg | 4700 | 10 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 6. Aroclor-1254 | U | | µg/kg | 4700 | 10 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 7. Aroclor-1260 | U | | µg/kg | 4700 | 10 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 4700 | 10 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 4700 | 10 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | Aliquot ID: 45884-015 | | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|----------|---|------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-14 (1-2) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 15 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-015 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|---------------|----------|--------------|------------------------------|-----------------|---------------------------|---------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 140 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 140 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-14 (1-2) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 15 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-015 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-015A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|------|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 2. Acenaphthylene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 3. Anthracene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 4. Benzo(a)anthracene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 5. Benzo(a)pyrene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 6. Benzo(b)fluoranthene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 7. Benzo(ghi)perylene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 8. Benzo(k)fluoranthene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 9. Chrysene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 10. Dibenzo(a,h)anthracene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 11. Fluoranthene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 12. Fluorene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 13. Indeno(1,2,3-cd)pyrene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 14. 2-Methylnaphthalene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 15. Phenanthrene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 16. Pyrene | U | J,G- | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |

| | | | |
|------------------------|--------------------|-------------------|-------------------|
| 1914 Holloway Drive | Holt, MI 48842 | T: (517) 699-0345 | F: (517) 699-0388 |
| 11766 E. Grand River | Brighton, MI 48116 | T: (810) 220-3300 | F: (810) 220-3311 |
| 8660 S. Mackinaw Trail | Cadillac, MI 49601 | T: (231) 775-8368 | F: (231) 775-8584 |

| | | | | | | | |
|------------------------|---|---------------------|-------------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-15 (0.5-1.5) | | Chain of Custody: | 106893 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 16 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | Aliquot ID: 45884-016A | | | Matrix: Soil/Solid | Analyst: ZSM | | |
|--|------------|---|-------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 8.2 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | Aliquot ID: 45884-016A | | | Matrix: Soil/Solid | Analyst: MAP | | |
|---|----------------|---|-------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 7900000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | Aliquot ID: 45884-016A | | | Matrix: Soil/Solid | Analyst: JLH | | |
|--|-----------------|---|-------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 32000000 | | µg/kg | 100000 | 2000 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 2. Arsenic | 4600 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | 1100 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 34000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 64000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 380000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 34000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | 1100 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 880000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | Aliquot ID: 45884-016A | | | Matrix: Soil/Solid | Analyst: JLH | | |
|-------------------------------------|-----------|---|-------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | 78 | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | Aliquot ID: 45884-016A | | | Matrix: Soil/Solid | Analyst: BDA | | |
|--|----------|---|-------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 2. Aroclor-1221 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 3. Aroclor-1232 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 4. Aroclor-1242 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 5. Aroclor-1248 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 6. Aroclor-1254 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 7. Aroclor-1260 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | Aliquot ID: 45884-016 | | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|----------|---|------------------------------|-----------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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 F: (231) 775-8584

| | | | | | |
|------------------------|---|---------------------|-------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-15 (0.5-1.5) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 16 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-016 | Matrix: Soil/Solid | Analyst: JAS | |
|--|---------------|----------|--------------|------------------------|-----------------|------------------------------|---------------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

1914 Holloway Drive
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8660 S. Mackinaw Trail

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F: (231) 775-8584

| | | | | | |
|--|---|---------------------|-------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-15 (0.5-1.5) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 16 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-016 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-016A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/20/11 | S611H20A |

| | | | |
|---|--|---|---|
| 1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail | Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 | T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 | F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584 |
| DCSID: G-610.13 (03/21/11) | lab@fibertec.us | RSN: 45884-110921165102 | |

| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-15 W | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 17 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-017A | Matrix: Ground Water | Analyst: MAP | |
|---|--------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 29000 | | µg/L | 20000 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-017A | Matrix: Ground Water | Analyst: JLH | |
|--|-------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 2800 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 2. Arsenic | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | 11 | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | 7.1 | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | 270 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | U | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | 1500 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-017A | Matrix: Ground Water | Analyst: JLH | |
|--|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-017 | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 11. sec-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 17. Chloroform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **AKT-15 W**

Chain of Custody: **106893**

Client Project Name: **6976f-2-20**

Sample No: **17**

Collect Date: **08/12/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-017 | | Matrix: Ground Water | | Analyst: JAS | |
|---|---------------|----------|--------------|------------------------------|-----------------|-----------------------------|-------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 43. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 44. n-Propylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 49. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-15 W | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 17 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-017 | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 60. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | | Aliquot ID: 45884-017B | Matrix: Ground Water | Analyst: HLS | |
|---|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-15 W MS | | Chain of Custody: | 106893 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 18 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Ground Water | | Collect Time: | NA | |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-018A | Matrix: Ground Water | Analyst: MAP | |
|---|--------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 41000 | | µg/L | 20000 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-018A | Matrix: Ground Water | Analyst: JLH | |
|--|-------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 5000 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 2. Arsenic | 100 | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | 98 | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | 240 | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | 230 | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | 830 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | 200 | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | 110 | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | 2100 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-018A | Matrix: Ground Water | Analyst: JLH | |
|--|-------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | 0.21 | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-018 | Matrix: Ground Water | Analyst: JAS | |
|---|------------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | 140 | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 2. Acrylonitrile | 120 | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 3. Benzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 4. Bromobenzene | 94 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 5. Bromochloromethane | 95 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 6. Bromodichloromethane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 7. Bromoform | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 8. Bromomethane | 110 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 9. 2-Butanone | 120 | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 10. n-Butylbenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 11. sec-Butylbenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 12. tert-Butylbenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 13. Carbon Disulfide | 94 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 14. Carbon Tetrachloride | 100 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 15. Chlorobenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 16. Chloroethane | 97 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 17. Chloroform | 91 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 18. Chloromethane | 100 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **AKT-15 W MS**

Chain of Custody: **106893**

Client Project Name: **6976f-2-20**

Sample No: **18**

Collect Date: **08/12/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-018 | | Matrix: Ground Water | Analyst: JAS |
|---|---------------|----------|--------------|------------------------|-----------------|------------------------------|-------------------|-----------------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | 100 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 20. Dibromochloromethane | 110 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 22. Dibromomethane | 120 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | 100 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 26. Dichlorodifluoromethane | 100 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 27. 1,1-Dichloroethane | 93 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 28. 1,2-Dichloroethane | 200 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 29. 1,1-Dichloroethene | 100 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | 95 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | 100 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 32. 1,2-Dichloropropane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 35. Ethylbenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 36. Ethylene Dibromide | 230 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 37. 2-Hexanone | 140 | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 38. Isopropylbenzene | 120 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 39. Methyl Iodide | 100 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 40. Methylene Chloride | 110 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | 150 | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 42. MTBE | 210 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 43. Naphthalene | 130 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 44. n-Propylbenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 45. Styrene | 130 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 48. Tetrachloroethene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 49. Toluene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | 130 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | 95 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 53. Trichloroethene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 54. Trichlorofluoromethane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | 100 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **AKT-15 W MS**

Chain of Custody: **106893**

Client Project Name: **6976f-2-20**

Sample No: **18**

Collect Date: **08/12/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-018 | | Matrix: Ground Water | Analyst: JAS | |
|---|------------|---|-------|-----------------|------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | 99 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 60. Xylenes | 350 | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-018B | | Matrix: Ground Water | Analyst: HLS | |
|---|-----------|---|-------|-----------------|-------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | 63 | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | 68 | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | 64 | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | 67 | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | 75 | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | 76 | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | 75 | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | 71 | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | 60 | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | 74 | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | 69 | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | 65 | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | 80 | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | 53 | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | 62 | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | 73 | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-15 W MSD | | Chain of Custody: | 106893 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 19 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Ground Water | | Collect Time: | NA | |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-019A | Matrix: Ground Water | Analyst: MAP | |
|---|--------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 40000 | | µg/L | 20000 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-019A | Matrix: Ground Water | Analyst: JLH | |
|--|-------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 4200 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 2. Arsenic | 100 | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | 100 | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | 240 | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | 220 | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | 770 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | 200 | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | 110 | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | 2000 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-019A | Matrix: Ground Water | Analyst: JLH | |
|--|----------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-019 | Matrix: Ground Water | Analyst: JAS | |
|---|------------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | 120 | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 2. Acrylonitrile | 110 | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 3. Benzene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 4. Bromobenzene | 99 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 5. Bromochloromethane | 96 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 6. Bromodichloromethane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 7. Bromoform | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 8. Bromomethane | 120 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 9. 2-Butanone | 110 | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 10. n-Butylbenzene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 11. sec-Butylbenzene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 12. tert-Butylbenzene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 13. Carbon Disulfide | 95 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 14. Carbon Tetrachloride | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 15. Chlorobenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 16. Chloroethane | 110 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 17. Chloroform | 94 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 18. Chloromethane | 120 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **AKT-15 W MSD**

Chain of Custody: **106893**

Client Project Name: **6976f-2-20**

Sample No: **19**

Collect Date: **08/12/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-019 | | Matrix: Ground Water | | Analyst: JAS | |
|---|--------|---|-------|------------------------------|----------|-----------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | 110 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 20. Dibromochloromethane | 110 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 22. Dibromomethane | 120 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 26. Dichlorodifluoromethane | 110 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 27. 1,1-Dichloroethane | 96 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 28. 1,2-Dichloroethane | 200 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 29. 1,1-Dichloroethene | 100 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | 97 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | 100 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 32. 1,2-Dichloropropane | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 35. Ethylbenzene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 36. Ethylene Dibromide | 230 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 37. 2-Hexanone | 130 | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 38. Isopropylbenzene | 130 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 39. Methyl Iodide | 110 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 40. Methylene Chloride | 110 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | 140 | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 42. MTBE | 200 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 43. Naphthalene | 120 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 44. n-Propylbenzene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 45. Styrene | 130 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 48. Tetrachloroethene | 130 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 49. Toluene | 130 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | 130 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | 99 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 53. Trichloroethene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 54. Trichlorofluoromethane | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | 100 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | 120 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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F: (517) 699-0388
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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-15 W MSD | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 19 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-019 | | Matrix: Ground Water | Analyst: JAS | |
|---|------------|---|-------|-----------------|------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | 100 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 60. Xylenes | 370 | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-019B | | Matrix: Ground Water | Analyst: HLS | |
|---|-----------|---|-------|-----------------|-------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | 73 | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | 77 | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | 75 | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | 80 | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | 90 | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | 90 | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | 90 | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | 85 | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | 72 | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | 90 | | µg/L | 2.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | 82 | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | 75 | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | 97 | | µg/L | 2.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | 62 | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | 72 | | µg/L | 2.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | 87 | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | | | |
|------------------------|---|---------------------|-----------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-22 (11-12) | | Chain of Custody: | 106893 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 21 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | Aliquot ID: 45884-021A | | | Matrix: Soil/Solid | | Analyst: ZSM | |
|--|-----------|---|-------------------------------|-----------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 23 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | Aliquot ID: 45884-021A | | | Matrix: Soil/Solid | | Analyst: MAP | |
|---|-----------------|---|-------------------------------|-----------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 27000000 | | µg/kg | 4000000 | 40 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | Aliquot ID: 45884-021A | | | Matrix: Soil/Solid | | Analyst: JLH | |
|--|-----------------|---|-------------------------------|-----------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 14000000 | | µg/kg | 100000 | 2000 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 2. Arsenic | 2700 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | 160 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 20000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 11000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 450000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 31000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | | U | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 70000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | Aliquot ID: 45884-021A | | | Matrix: Soil/Solid | | Analyst: JLH | |
|-------------------------------------|--------|---|-------------------------------|-----------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | | U | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | Aliquot ID: 45884-021 | | | Matrix: Soil/Solid | | Analyst: JAS | |
|--|------------|---|------------------------------|-----------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | | U | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 2. Acrylonitrile | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | 330 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | | U | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | | U | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | | U | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|--|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-22 (11-12) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 21 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-021 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 130 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 130 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-22 (11-12) | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 21 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | Aliquot ID: 45884-021 | | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|------------------------------|-----------|---------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | | Aliquot ID: 45884-021A | | Matrix: Soil/Solid | Analyst: BDA | |
|--|--------|---|-------|-----------------|-------------------------------|-----------|---------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 350 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 350 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 12. Fluorene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 15. Phenanthrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 16. Pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |

| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-22 W | | Chain of Custody: | 106893 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 22 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Ground Water | | Collect Time: | NA | |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-022A | Matrix: Ground Water | Analyst: MAP | |
|---|-------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 9500 | | µg/L | 300 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-022A | Matrix: Ground Water | Analyst: JLH | |
|--|------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 800 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 2. Arsenic | 9.4 | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | U | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | 8.8 | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | 690 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | U | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-022A | Matrix: Ground Water | Analyst: JLH | |
|--|----------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-022 | Matrix: Ground Water | Analyst: JAS | |
|---|------------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 3. Benzene | 110 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 11. sec-Butylbenzene | 1.1 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 17. Chloroform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **AKT-22 W**

Chain of Custody: **106893**

Client Project Name: **6976f-2-20**

Sample No: **22**

Collect Date: **08/12/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-022 | | Matrix: Ground Water | | Analyst: JAS | |
|---|---------------|----------|--------------|------------------------------|-----------------|-----------------------------|-------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 35. Ethylbenzene | 170 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 43. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 44. n-Propylbenzene | 3.4 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 49. Toluene | 1.4 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-22 W | Chain of Custody: | 106893 |
| Client Project Name: | 6976f-2-20 | Sample No: | 22 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-022 | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 60. Xylenes | 11 | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | | Aliquot ID: 45884-022B | Matrix: Ground Water | Analyst: HLS | |
|---|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | |
|--|---|---------------------|----------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-23 (10-12) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 23 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-023A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 22 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-023A | Matrix: Soil/Solid | Analyst: MAP | |
|---|----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 28000000 | | µg/kg | 4000000 | 40 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-023A | Matrix: Soil/Solid | Analyst: JLH | |
|--|----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 12000000 | | µg/kg | 100000 | 2000 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 2. Arsenic | 2800 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | 160 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 18000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 9600 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 460000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 28000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | U | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 65000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-023A | Matrix: Soil/Solid | Analyst: JLH | |
|-------------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-023 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-23 (10-12) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 23 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-023 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 130 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 130 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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|--|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-23 (10-12) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 23 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-023 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-023A | | Matrix: Soil/Solid | Analyst: BDA | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 340 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 340 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 12. Fluorene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 15. Phenanthrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |
| 16. Pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/18/11 | PS11H18C | 08/21/11 | S511H20A |

| | | | | | |
|------------------------|---|---------------------|--------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-24 (4-5) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 24 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-024A | Matrix: Soil/Solid | Analyst: ZSM | |
|---|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 20 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-024A | Matrix: Soil/Solid | Analyst: MAP | |
|--|----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 29000000 | | µg/kg | 4000000 | 40 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-024A | Matrix: Soil/Solid | Analyst: JLH | |
|---|----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 13000000 | | µg/kg | 100000 | 2000 | 08/19/11 | PT11H19C | 08/22/11 | T211H22A |
| 2. Arsenic | 3100 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | 160 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 22000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 10000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 480000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 29000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | 210 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 70000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-024A | Matrix: Soil/Solid | Analyst: JLH | |
|------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | | | Aliquot ID: 45884-024A | Matrix: Soil/Solid | Analyst: BDA | |
|---|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 2. Aroclor-1221 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 3. Aroclor-1232 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 4. Aroclor-1242 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 5. Aroclor-1248 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 6. Aroclor-1254 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 7. Aroclor-1260 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-024 | Matrix: Soil/Solid | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-24 (4-5) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 24 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-024 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|---------------|----------|--------------|------------------------------|-----------------|---------------------------|---------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-24 (4-5) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 24 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-024 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-024A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |

| | | | |
|---|--|---|---|
| 1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail | Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 | T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 | F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584 |
| DCSID: G-610.13 (03/21/11) | lab@fibertec.us | RSN: 45884-110921165102 | |

| | | | | | |
|--|---|---------------------|--------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-25 (2-3) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 25 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-025A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 19 | % | | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-025A | Matrix: Soil/Solid | Analyst: MAP | |
|---|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 1200000 | | µg/kg | 20000 | 20 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-025A | Matrix: Soil/Solid | Analyst: JLH | |
|--|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 3800000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 2. Arsenic | 1500 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | U | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 4800 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 2900 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 130000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 5100 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | U | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 14000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-025A | Matrix: Soil/Solid | Analyst: JLH | |
|-------------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | | | Aliquot ID: 45884-025A | Matrix: Soil/Solid | Analyst: BDA | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 2. Aroclor-1221 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 3. Aroclor-1232 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 4. Aroclor-1242 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 5. Aroclor-1248 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 6. Aroclor-1254 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 7. Aroclor-1260 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-025 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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F: (231) 775-8584

| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-25 (2-3) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 25 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-025 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | 490 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | 170 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | 390 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-25 (2-3) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 25 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-025 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|-------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | 730 | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | 640 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | 1000 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | 300 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-025A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |

| | | | |
|---|--|---|---|
| 1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail | Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 | T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 | F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584 |
| DCSID: G-610.13 (03/21/11) | lab@fibertec.us | RSN: 45884-110921165102 | |

| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-26 (1-2) | | Chain of Custody: | 106894 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 26 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | | |
|--|-----------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-026A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Percent Moisture (Water Content) (NN) | 11 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | | |
|---|-----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-026A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Magnesium | 32000000 | | µg/kg | 4000000 | 40 | 08/19/11 | PT11H19C |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | | |
|--|-----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-026A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Aluminum | 21000000 | | µg/kg | 100000 | 2000 | 08/19/11 | PT11H19C |
| 2. Arsenic | 3100 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C |
| 3. Cadmium | 120 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C |
| 4. Chromium | 11000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C |
| 5. Lead | 3600 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 6. Manganese | 1500000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C |
| 7. Nickel | 11000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |
| 8. Selenium | 2000 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C |
| 9. Zinc | 37000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C |

| Mercury by CVAAS (EPA 7471B) | | | | | | | |
|-------------------------------------|----------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-026A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | | |
|--|----------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-026 | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B |

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 8660 S. Mackinaw Trail

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 F: (810) 220-3311
 F: (231) 775-8584

| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-26 (1-2) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 26 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-026 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-26 (1-2) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 26 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-026 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-026A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/18/11 | PS11H18C | 08/20/11 | S711H19B |

| | | | | | |
|--|---|---------------------|--------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-27 (8-9) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 27 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-027A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 18 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-027A | Matrix: Soil/Solid | Analyst: MAP | |
|---|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 1700000 | | µg/kg | 20000 | 20 | 08/19/11 | PT11H19C | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-027A | Matrix: Soil/Solid | Analyst: JLH | |
|--|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 6400000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 2. Arsenic | 2600 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 3. Cadmium | 240 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 4. Chromium | 9000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 5. Lead | 6100 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 6. Manganese | 170000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 7. Nickel | 14000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 8. Selenium | U | | µg/kg | 200 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |
| 9. Zinc | 46000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19C | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-027A | Matrix: Soil/Solid | Analyst: JLH | |
|-------------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | | | Aliquot ID: 45884-027A | Matrix: Soil/Solid | Analyst: GAN | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 400 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 2. Aroclor-1221 | U | | µg/kg | 400 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 3. Aroclor-1232 | U | | µg/kg | 400 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 4. Aroclor-1242 | U | | µg/kg | 400 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 5. Aroclor-1248 | U | | µg/kg | 400 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 6. Aroclor-1254 | U | | µg/kg | 400 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 7. Aroclor-1260 | U | | µg/kg | 400 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 400 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 400 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-027 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-27 (8-9) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 27 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-027 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|---------------|----------|--------------|------------------------------|-----------------|---------------------------|---------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | 1400 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | 1700 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-27 (8-9) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 27 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-027 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | 160 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-027A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|-------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | 1100 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 12. Fluorene (SIM) | 1600 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 14. 2-Methylnaphthalene (SIM) | 2500 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 15. Phenanthrene (SIM) | 1500 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 16. Pyrene (SIM) | 490 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |

| | | | |
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| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-27 W | | Chain of Custody: | 106894 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 28 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Ground Water | | Collect Time: | NA | |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-028A | Matrix: Ground Water | Analyst: MAP | |
|---|--------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 78000 | | µg/L | 300 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-028A | Matrix: Ground Water | Analyst: JLH | |
|--|--------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 45000 | | µg/L | 100 | 100 | 08/18/11 | PT11H18D | 08/19/11 | T211H19A |
| 2. Arsenic | 16 | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | 80 | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | 15 | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | 9700 | | µg/L | 100 | 100 | 08/18/11 | PT11H18D | 08/19/11 | T211H19A |
| 7. Nickel | 72 | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | 860 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-028A | Matrix: Ground Water | Analyst: JLH | |
|--|----------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-028 | Matrix: Ground Water | Analyst: JAS | |
|---|------------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 10. n-Butylbenzene | 4.0 | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 11. sec-Butylbenzene | 8.9 | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 17. Chloroform | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-27 W | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 28 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-028 | Matrix: Ground Water | Analyst: JAS | |
|---|------------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 43. Naphthalene | 9.3 | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 44. n-Propylbenzene | 2.8 | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 49. Toluene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 55. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 56. 1,2,3-Trimethylbenzene (NN) | 3.3 | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 57. 1,2,4-Trimethylbenzene | 6.0 | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 58. 1,3,5-Trimethylbenzene | 1.1 | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-27 W | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 28 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-028 | Matrix: Ground Water | Analyst: JAS | | |
|---|--------|---|-------|-----------------|------------------------------|-----------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 60. Xylenes | 3.2 | | µg/L | 3.0 | 1.0 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-028B | Matrix: Ground Water | Analyst: HLS | | |
|---|--------|---|-------|-----------------|-------------------------------|-----------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 1.4 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-28 (5-6) | | Chain of Custody: | 106894 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 29 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | Aliquot ID: 45884-029A | | Matrix: Soil/Solid | Analyst: ZSM | | |
|--|------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 9.2 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | Aliquot ID: 45884-029A | | Matrix: Soil/Solid | Analyst: MAP | | |
|---|---------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 520000 | | µg/kg | 20000 | 20 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | Aliquot ID: 45884-029A | | Matrix: Soil/Solid | Analyst: JLH | | |
|--|----------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 2800000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 2. Arsenic | 1300 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 3. Cadmium | 94 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 4. Chromium | 5200 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 5. Lead | 2600 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 6. Manganese | 100000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 7. Nickel | 3800 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 8. Selenium | | U | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 9. Zinc | 21000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | Aliquot ID: 45884-029A | | Matrix: Soil/Solid | Analyst: JLH | | |
|-------------------------------------|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | | U | µg/kg | 50 | 10 | 08/19/11 | PM11H19B | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-029 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | | U | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 2. Acrylonitrile | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | | U | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | | U | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | | U | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | | U | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | | U | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-28 (5-6) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 29 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-029 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-28 (5-6) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 29 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-029 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-029A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 12. Fluorene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 15. Phenanthrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 16. Pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |

| | | | | | | | |
|------------------------|---|---------------------|------------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-28 (5-6) MS | | Chain of Custody: | 106894 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 30 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | Aliquot ID: 45884-030A | | Matrix: Soil/Solid | Analyst: ZSM | | |
|--|-----------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 12 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | Aliquot ID: 45884-030A | | Matrix: Soil/Solid | Analyst: MAP | | |
|---|---------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 960000 | | µg/kg | 20000 | 20 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | Aliquot ID: 45884-030A | | Matrix: Soil/Solid | Analyst: JLH | | |
|--|----------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 1900000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 2. Arsenic | 11000 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 3. Cadmium | 10000 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 4. Chromium | 23000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 5. Lead | 22000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 6. Manganese | 160000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 7. Nickel | 23000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 8. Selenium | 10000 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 9. Zinc | 64000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | Aliquot ID: 45884-030A | | Matrix: Soil/Solid | Analyst: JLH | | |
|-------------------------------------|------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | 230 | | µg/kg | 50 | 10 | 08/19/11 | PM11H19B | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-030 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|-------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | 4400 | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 2. Acrylonitrile | 4700 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | 5600 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | 6100 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | 5400 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | 6400 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | 5700 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | 4000 | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | 6000 | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | 6900 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | 6500 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | 6500 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | 5500 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-28 (5-6) MS | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 30 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-030 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | 6500 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | 5900 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | 4400 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | 5400 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | 4600 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | 6100 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | 7300 | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | 5000 | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | 5600 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | 6000 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | 6200 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | 5900 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | 4500 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | 5100 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | 12000 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | 6500 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | 5100 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | 5100 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | 5700 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | 6200 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | 6200 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | 6200 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | 13000 | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | 6100 | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | 6400 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | 6400 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | 4800 | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | 5400 | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 42. MTBE | 11000 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | 5500 | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | 6300 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | 6600 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | 6700 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | 6200 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | 6200 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | 5700 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | 5600 | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | 5600 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | 6300 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | 5900 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-28 (5-6) MS | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 30 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-030 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | 8100 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | 5800 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | 6400 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | 6400 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | 6300 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | 5400 | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | 19000 | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-030A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|-------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | 5100 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 2. Acenaphthylene (SIM) | 5400 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 3. Anthracene (SIM) | 5400 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 4. Benzo(a)anthracene (SIM) | 5800 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 5. Benzo(a)pyrene (SIM) | 6300 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 6. Benzo(b)fluoranthene (SIM) | 6400 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 7. Benzo(ghi)perylene (SIM) | 6400 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 8. Benzo(k)fluoranthene (SIM) | 6000 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 9. Chrysene (SIM) | 6000 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 10. Dibenzo(a,h)anthracene (SIM) | 6200 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 11. Fluoranthene (SIM) | 7000 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 12. Fluorene (SIM) | 5200 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | 7000 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 14. 2-Methylnaphthalene (SIM) | 4300 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 15. Phenanthrene (SIM) | 5700 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 16. Pyrene (SIM) | 6900 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |

| | | | | | |
|--|---|---------------------|------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-28 (5-6) MSD | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 31 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-031A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 8.0 | % | | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-031A | Matrix: Soil/Solid | Analyst: MAP | |
|---|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 1200000 | | µg/kg | 20000 | 20 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-031A | Matrix: Soil/Solid | Analyst: JLH | |
|--|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 2900000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 2. Arsenic | 12000 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 3. Cadmium | 10000 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 4. Chromium | 24000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 5. Lead | 22000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 6. Manganese | 150000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 7. Nickel | 24000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 8. Selenium | 10000 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 9. Zinc | 69000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-031A | Matrix: Soil/Solid | Analyst: JLH | |
|-------------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | 220 | | µg/kg | 50 | 10 | 08/19/11 | PM11H19B | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-031 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | 4700 | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 2. Acrylonitrile | 4900 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | 5200 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | 5700 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | 5100 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | 6100 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | 5700 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | 3800 | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | 6100 | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | 6400 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | 5900 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | 6000 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | 4100 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|-------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-28 (5-6) MSD | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 31 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-031 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | 6100 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | 5600 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | 4000 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | 5000 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | 4400 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | 5700 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | 6500 | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | 5100 | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | 5500 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | 5700 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | 5800 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | 5500 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | 4400 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | 4700 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | 11000 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | 5200 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | 4700 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | 4800 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | 5400 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | 6000 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | 6000 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | 5800 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | 12000 | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | 6300 | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | 6000 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | 4900 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | 4500 | | µg/kg | 110 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | 5400 | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 42. MTBE | 11000 | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | 5400 | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | 5900 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | 6300 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | 6400 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | 6200 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | 5700 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | 5300 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | 5500 | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | 5200 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | 6100 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | 5400 | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| | | | | | |
|------------------------|---|---------------------|-------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-28 (5-6) MSD | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 31 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-031 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|---------------|----------|--------------|------------------------------|-----------------|---------------------------|---------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | 7600 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | 5700 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | 6000 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | 6000 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | 5800 | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | 5100 | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | 18000 | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-031A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|---------------|----------|--------------|-------------------------------|-----------------|---------------------------|---------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | 5000 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 2. Acenaphthylene (SIM) | 5400 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 3. Anthracene (SIM) | 5200 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 4. Benzo(a)anthracene (SIM) | 5400 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 5. Benzo(a)pyrene (SIM) | 5900 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 6. Benzo(b)fluoranthene (SIM) | 6000 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 7. Benzo(ghi)perylene (SIM) | 6000 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 8. Benzo(k)fluoranthene (SIM) | 5600 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 9. Chrysene (SIM) | 5500 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 10. Dibenzo(a,h)anthracene (SIM) | 6100 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 11. Fluoranthene (SIM) | 5700 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 12. Fluorene (SIM) | 5000 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | 6600 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 14. 2-Methylnaphthalene (SIM) | 4200 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 15. Phenanthrene (SIM) | 4800 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 16. Pyrene (SIM) | 5800 | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |

| | | | | | |
|--|---|---------------------|--------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-29 (3-4) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 33 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-033A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 16 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-033A | Matrix: Soil/Solid | Analyst: MAP | |
|---|----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 20000000 | | µg/kg | 4000000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-033A | Matrix: Soil/Solid | Analyst: JLH | |
|--|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 2700000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 2. Arsenic | 1600 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 3. Cadmium | U | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 4. Chromium | 4700 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 5. Lead | 2800 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 6. Manganese | 180000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 7. Nickel | 5600 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 8. Selenium | U | | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 9. Zinc | 17000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-033A | Matrix: Soil/Solid | Analyst: JLH | |
|-------------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19B | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | | | Aliquot ID: 45884-033A | Matrix: Soil/Solid | Analyst: BDA | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 2. Aroclor-1221 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 3. Aroclor-1232 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 4. Aroclor-1242 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 5. Aroclor-1248 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 6. Aroclor-1254 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 7. Aroclor-1260 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-033 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-29 (3-4) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 33 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-033 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|---------------|----------|--------------|------------------------------|-----------------|---------------------------|---------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 20. Dibromochloromethane | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 40. Methylene Chloride | U | | µg/kg | 120 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

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8660 S. Mackinaw Trail

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F: (231) 775-8584

| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-29 (3-4) | Chain of Custody: | 106894 |
| Client Project Name: | 6976f-2-20 | Sample No: | 33 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-033 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/19/11 | V911H19B | 08/20/11 | V911H19B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-033A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |

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|---|--|---|---|
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| DCSID: G-610.13 (03/21/11) | lab@fibertec.us | RSN: 45884-110921165102 | |

| | | | | | |
|--|---|---------------------|--------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-30 (3-5) | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 35 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-035A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 20 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-035A | Matrix: Soil/Solid | Analyst: MAP | |
|---|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 5000000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-035A | Matrix: Soil/Solid | Analyst: JLH | |
|--|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 5600000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 2. Arsenic | 2500 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 3. Cadmium | 200 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 4. Chromium | 8200 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 5. Lead | 6400 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 6. Manganese | 150000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 7. Nickel | 11000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 8. Selenium | 210 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 9. Zinc | 40000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-035A | Matrix: Soil/Solid | Analyst: JLH | |
|-------------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19B | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | | | Aliquot ID: 45884-035A | Matrix: Soil/Solid | Analyst: BDA | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 2. Aroclor-1221 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 3. Aroclor-1232 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 4. Aroclor-1242 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 5. Aroclor-1248 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 6. Aroclor-1254 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 7. Aroclor-1260 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-035 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-30 (3-5) | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 35 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-035 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|-------------|------|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 3. Benzene | 81 | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 10. n-Butylbenzene | 6200 | J,V+ | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 11. sec-Butylbenzene | 8800 | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 20. Dibromochloromethane | U | | µg/kg | 130 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 35. Ethylbenzene | 8000 | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 38. Isopropylbenzene | 3900 | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 40. Methylene Chloride | U | | µg/kg | 130 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |

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F: (231) 775-8584

| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-30 (3-5) | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 35 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-035 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 43. Naphthalene | 11000 | | µg/kg | 330 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 44. n-Propylbenzene | 7800 | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 56. 1,2,3-Trimethylbenzene (NN) | 12000 | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 57. 1,2,4-Trimethylbenzene | 570 | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |
| 60. Xylenes | 240 | | µg/kg | 150 | 1.0 | 08/22/11 | V911H22B | 08/23/11 | V911H22B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-035A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | 4000 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 540 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 340 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 340 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 340 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 12. Fluorene (SIM) | 7800 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 14. 2-Methylnaphthalene (SIM) | 43000 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 15. Phenanthrene (SIM) | 13000 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 16. Pyrene (SIM) | 2900 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |

| | | | |
|------------------------|--------------------|-------------------|-------------------|
| 1914 Holloway Drive | Holt, MI 48842 | T: (517) 699-0345 | F: (517) 699-0388 |
| 11766 E. Grand River | Brighton, MI 48116 | T: (810) 220-3300 | F: (810) 220-3311 |
| 8660 S. Mackinaw Trail | Cadillac, MI 49601 | T: (231) 775-8368 | F: (231) 775-8584 |

| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-30 W | | Chain of Custody: | 106895 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 36 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Ground Water | | Collect Time: | NA | |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-036A | Matrix: Ground Water | Analyst: MAP | |
|---|--------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 18000 | | µg/L | 300 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-036A | Matrix: Ground Water | Analyst: JLH | |
|--|-------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 2300 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 2. Arsenic | 7.2 | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | U | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | 8.6 | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | 430 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | U | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | 51 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-036A | Matrix: Ground Water | Analyst: JLH | |
|--|----------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-036 | Matrix: Ground Water | Analyst: JAS | |
|---|------------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 3. Benzene | 3.9 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 10. n-Butylbenzene | 4.2 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 11. sec-Butylbenzene | 14 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 17. Chloroform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail
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Cadillac, MI 49601

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F: (231) 775-8584

Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **AKT-30 W**

Chain of Custody: **106895**

Client Project Name: **6976f-2-20**

Sample No: **36**

Collect Date: **08/12/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-036 | | Matrix: Ground Water | | Analyst: JAS | |
|---|---------------|----------|--------------|------------------------------|-----------------|-----------------------------|-------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 35. Ethylbenzene | 94 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 38. Isopropylbenzene | 20 | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 43. Naphthalene | 82 | | µg/L | 10 | 10 | 08/18/11 | VB11H18B | 08/18/11 | VB11H18B |
| 44. n-Propylbenzene | 22 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 49. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | 41 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

1914 Holloway Drive
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 8660 S. Mackinaw Trail

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 F: (810) 220-3311
 F: (231) 775-8584

| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-30 W | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 36 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-036 | Matrix: Ground Water | Analyst: JAS | | |
|---|--------|---|-------|-----------------|------------------------------|-----------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 60. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-036B | Matrix: Ground Water | Analyst: HLS | | |
|---|--------|---|-------|-----------------|-------------------------------|-----------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-31 W | | Chain of Custody: | 106895 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 37 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Ground Water | | Collect Time: | NA | |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-037A | Matrix: Ground Water | Analyst: MAP | |
|---|-------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 8900 | | µg/L | 300 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-037A | Matrix: Ground Water | Analyst: JLH | |
|--|--------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 13000 | | µg/L | 100 | 100 | 08/18/11 | PT11H18D | 08/19/11 | T211H19A |
| 2. Arsenic | 7.4 | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | 14 | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | 18 | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | 2700 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | 20 | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | 59 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-037A | Matrix: Ground Water | Analyst: JLH | |
|--|----------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-037 | Matrix: Ground Water | Analyst: JAS | |
|---|----------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 11. sec-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 17. Chloroform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **AKT-31 W**

Chain of Custody: **106895**

Client Project Name: **6976f-2-20**

Sample No: **37**

Collect Date: **08/12/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-037 | | Matrix: Ground Water | | Analyst: JAS | |
|---|---------------|----------|--------------|------------------------------|-----------------|-----------------------------|-------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 43. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 44. n-Propylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 49. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 55. 1,2,3-Trichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **AKT-31 W**

Chain of Custody: **106895**

Client Project Name: **6976f-2-20**

Sample No: **37**

Collect Date: **08/12/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-037 | | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 60. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-037B | | Matrix: Ground Water | Analyst: BDA | |
|---|--------|---|-------|-----------------|-------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.2 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 5.8 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |

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| | | | | | | | |
|------------------------|---|---------------------|---------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-32 (2-3) | | Chain of Custody: | 106895 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 38 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | | Collect Time: | NA | |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | | |
|--|------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-038A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Percent Moisture (Water Content) (NN) | 8.9 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | | |
|---|----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-038A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Magnesium | 8300000 | | µg/kg | 2000000 | 20 | 08/19/11 | PT11H19D |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | | |
|--|----------------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-038A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Aluminum | 7900000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D |
| 2. Arsenic | 2200 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D |
| 3. Cadmium | 330 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D |
| 4. Chromium | 9500 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D |
| 5. Lead | 19000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D |
| 6. Manganese | 350000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D |
| 7. Nickel | 11000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D |
| 8. Selenium | 290 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19D |
| 9. Zinc | 180000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D |

| Mercury by CVAAS (EPA 7471B) | | | | | | | |
|-------------------------------------|----------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-038A | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19B |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | | |
|--|----------|---|-------|-----------------|----------|-----------|------------|
| Aliquot ID: 45884-038 | | | | | | | |
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/22/11 | V911H22B |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/22/11 | V911H22B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/22/11 | V911H22B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-32 (2-3) | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 38 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-038 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |

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| | | | | | |
|--|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | AKT-32 (2-3) | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 38 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-038 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-038A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 12. Fluorene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 15. Phenanthrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 16. Pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |

| | | | | | |
|------------------------|---|---------------------|---------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SALT CAKE | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 39 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Other (Solid) | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Ignitability of Solids (Waste Characterization) (EPA 1030) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | Analyst: LRW | | |
|--|----------|---|-------|-----------------------|----------|-----------------------|--------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Ignitability | negative | | mm/s | 0.01 | 1.0 | NA | NA | 08/19/11 | WX11H19A |

| TAL Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | Analyst: MAP | | |
|--|--------|---|-------|-----------------------|----------|-----------------------|--------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Calcium | 4700 | | mg/kg | 60 | 20 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |
| 2. Iron | 15000 | | mg/kg | 2000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |
| 3. Magnesium | 20000 | | mg/kg | 4000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |
| 4. Potassium | 45000 | E | mg/kg | 200 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |
| 5. Sodium | 100000 | | mg/kg | 12000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| TAL Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | Analyst: JLH | | |
|---|-----------|---|-------|-----------------------|----------|-----------------------|--------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 160000000 | | µg/kg | 500000 | 10000 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 2. Antimony | 17000 | | µg/kg | 300 | 20 | 08/22/11 | PT11H22B | 08/22/11 | T211H22A |
| 3. Arsenic | 1200 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 4. Barium | 130000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 5. Beryllium | 4300 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 6. Cadmium | 1500 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 7. Chromium | 400000 | | µg/kg | 3100 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 8. Cobalt | 9900 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 9. Copper | 5300000 | | µg/kg | 32000 | 10000 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 10. Lead | 140000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 11. Manganese | 1200000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 12. Nickel | 190000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 13. Selenium | 270 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 14. Silver | 2800 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 15. Thallium | U | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 16. Vanadium | 34000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 17. Zinc | 2700000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | Analyst: JLH | | |
|------------------------------|--------|---|-------|-----------------------|----------|-----------------------|--------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | Analyst: BDA | | |
|---|--------|---|-------|-----------------------|----------|-----------------------|--------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 330 | 10 | 08/17/11 | PS11H17E | 08/17/11 | SB11H17A |

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| | | | | | |
|------------------------|---|---------------------|----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SALT CAKE | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 39 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Other (Solid) | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | Analyst: BDA | | |
|--|--------|---|-------|------------------------------|----------|------------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Aroclor-1221 | U | | µg/kg | 330 | 10 | 08/17/11 | PS11H17E | 08/17/11 | SB11H17A |
| 3. Aroclor-1232 | U | | µg/kg | 330 | 10 | 08/17/11 | PS11H17E | 08/17/11 | SB11H17A |
| 4. Aroclor-1242 | U | | µg/kg | 330 | 10 | 08/17/11 | PS11H17E | 08/17/11 | SB11H17A |
| 5. Aroclor-1248 | U | | µg/kg | 330 | 10 | 08/17/11 | PS11H17E | 08/17/11 | SB11H17A |
| 6. Aroclor-1254 | U | | µg/kg | 330 | 10 | 08/17/11 | PS11H17E | 08/17/11 | SB11H17A |
| 7. Aroclor-1260 | U | | µg/kg | 330 | 10 | 08/17/11 | PS11H17E | 08/17/11 | SB11H17A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 330 | 10 | 08/17/11 | PS11H17E | 08/17/11 | SB11H17A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 330 | 10 | 08/17/11 | PS11H17E | 08/17/11 | SB11H17A |

| Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3550C/EPA 8270C) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | Analyst: TMC | | |
|---|--------|---|-------|------------------------------|----------|------------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 3. Aniline | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 4. Anthracene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 5. Azobenzene (NN) | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 6. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 7. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 8. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 9. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 10. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 11. Benzyl Alcohol | U | | µg/kg | 3300 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 12. Bis(2-chloroethoxy)methane | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 13. Bis(2-chloroethyl)ether | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 14. Bis(2-chloroisopropyl) Ether | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 15. Bis(2-ethylhexyl)phthalate (NN) | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 16. 4-Bromophenyl Phenylether (NN) | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 17. Butyl Benzyl Phthalate | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 18. Carbazole (NN) | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 19. 4-Chloro-3-methylphenol | U | | µg/kg | 280 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 20. 2-Chloronaphthalene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 21. 2-Chlorophenol | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 22. 4-Chlorophenyl Phenylether | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 23. Chrysene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 24. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 25. Dibenzofuran | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 26. 2,4-Dichlorophenol | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 27. Diethyl Phthalate | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 28. Dimethyl Phthalate | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 29. 2,4-Dimethylphenol | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |

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| | | | | | |
|------------------------|---|---------------------|----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SALT CAKE | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 39 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Other (Solid) | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3550C/EPA 8270C) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | Analyst: TMC | | |
|---|--------|---|-------|------------------------------|----------|------------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 30. Di-n-butyl Phthalate | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 31. 2,4-Dinitrophenol | U | | µg/kg | 830 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 32. 2,4-Dinitrotoluene (NN) | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 33. 2,6-Dinitrotoluene (NN) | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 34. Di-n-octyl Phthalate | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 35. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 36. Fluorene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 37. Hexachlorobenzene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 38. Hexachlorobutadiene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 39. Hexachlorocyclopentadiene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 40. Hexachloroethane | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 41. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 42. Isophorone | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 43. 2-Methyl-4,6-dinitrophenol (NN) | U | | µg/kg | 830 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 44. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 45. 2-Methylphenol (NN) | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 46. 3&4-Methylphenol (NN) | U | | µg/kg | 660 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 47. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 48. 2-Nitroaniline | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 49. 3-Nitroaniline | U | | µg/kg | 830 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 50. 4-Nitroaniline | U | | µg/kg | 830 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 51. Nitrobenzene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 52. 2-Nitrophenol | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 53. 4-Nitrophenol | U | | µg/kg | 830 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 54. N-Nitrosodimethylamine | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 55. N-Nitrosodi-n-propylamine | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 56. N-Nitrosodiphenylamine | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 57. Pentachlorophenol | U | | µg/kg | 800 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 58. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 59. Phenol | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 60. Pyrene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 61. Pyridine | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 62. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 63. 2,4,5-Trichlorophenol | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 64. 2,4,6-Trichlorophenol | U | | µg/kg | 330 | 1.0 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |

| Corrosivity (Waste Characterization) (EPA 9045D) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | Analyst: LRW | | |
|---|-------------|---|----------|------------------------------|----------|------------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. pH | 8.67 | | pH Units | NA | 1.0 | 08/17/11 | WD11H17A | 08/17/11 | WD11H17A |

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| | | | | | |
|------------------------|---|---------------------|----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SALT CAKE | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 39 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Other (Solid) | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Inorganic Anions by IC (EPA 0300.0/EPA 9056) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | | Analyst: HLL | |
|---|-----------|---|-------|------------------------------|----------|------------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Bromide | U | | µg/kg | 2000 | 2.0 | 08/16/11 16:16 | PW11H16B | 08/23/11 17:13 | WA11H23A |
| 2. Chloride | 210000000 | | µg/kg | 4000000 | 400 | 08/16/11 16:16 | PW11H16B | 08/24/11 15:33 | WA11H24A |
| 3. Fluoride | 9600 | | µg/kg | 1000 | 1.0 | 08/16/11 16:16 | PW11H16B | 08/17/11 13:20 | WA11H16A |
| 4. Nitrate-N | 7300 | | µg/kg | 1000 | 2.0 | 08/16/11 16:16 | PW11H16B | 08/23/11 17:13 | WA11H23A |
| 5. Nitrite-N | U | | µg/kg | 20000 | 200 | 08/16/11 16:16 | PW11H16B | 08/23/11 15:46 | WA11H23A |
| 6. Sulfate | 270000 | | µg/kg | 10000 | 1.0 | 08/16/11 16:16 | PW11H16B | 08/17/11 13:20 | WA11H16A |

| Reactive Sulfide (Waste Characterization) (EPA H2S) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | | Analyst: LRW | |
|--|--------|---|-------|------------------------------|----------|------------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Sulfide, Reactive (NN) | U | | µg/kg | 6600 | 1.0 | NA | NA | 08/18/11 00:00 | WG11H18A |

| Reactive Cyanide (Waste Characterization) (EPA HCN) | | | | Aliquot ID: 45884-039 | | Matrix: Other (Solid) | | Analyst: LRW | |
|--|--------|---|-------|------------------------------|----------|------------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Cyanide, Reactive (NN) | U | | µg/kg | 8600 | 1.0 | NA | NA | 08/18/11 | WG11H18A |

| | | | | | |
|------------------------|---|---------------------|------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | BAGHOUSE RESIDUE | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 40 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Other (Solid) | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Ignitability of Solids (Waste Characterization) (EPA 1030) | | | | Aliquot ID: 45884-040 | | Matrix: Other (Solid) | Analyst: LRW | | |
|--|----------|---|-------|-----------------------|----------|-----------------------|--------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Ignitability | negative | | mm/s | 0.01 | 1.0 | NA | NA | 08/19/11 | WX11H19A |

| TAL Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | Aliquot ID: 45884-040 | | Matrix: Other (Solid) | Analyst: MAP | | |
|--|--------|---|-------|-----------------------|----------|-----------------------|--------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Calcium | 94000 | | mg/kg | 12000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |
| 2. Iron | 11000 | | mg/kg | 2000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |
| 3. Magnesium | 17000 | | mg/kg | 2000 | 20 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |
| 4. Potassium | 38000 | | mg/kg | 200 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |
| 5. Sodium | 74000 | | mg/kg | 12000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| TAL Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | Aliquot ID: 45884-040 | | Matrix: Other (Solid) | Analyst: JLH | | |
|---|----------|---|-------|-----------------------|----------|-----------------------|--------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 98000000 | | µg/kg | 500000 | 10000 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 2. Antimony | 62000 | | µg/kg | 300 | 20 | 08/22/11 | PT11H22B | 08/22/11 | T211H22A |
| 3. Arsenic | 3300 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 4. Barium | 150000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 5. Beryllium | U | | µg/kg | 16000 | 10000 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 6. Cadmium | 40000 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 7. Chromium | 480000 | | µg/kg | 61000 | 10000 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 8. Cobalt | 5400 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 9. Copper | 3800000 | | µg/kg | 1600 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 10. Lead | 500000 | | µg/kg | 20000 | 10000 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 11. Manganese | 1900000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 12. Nickel | 130000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 13. Selenium | 2800 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 14. Silver | 1700 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 15. Thallium | U | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 16. Vanadium | 57000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 17. Zinc | 6100000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | Aliquot ID: 45884-040 | | Matrix: Other (Solid) | Analyst: JLH | | |
|------------------------------|--------|---|-------|-----------------------|----------|-----------------------|--------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | 160 | | µg/kg | 50 | 10 | 08/19/11 | PM11H19A | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | Aliquot ID: 45884-040 | | Matrix: Other (Solid) | Analyst: GAN | | |
|---|--------|---|-------|-----------------------|----------|-----------------------|--------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 500 | 75 | 08/17/11 | PS11H17E | 08/18/11 | SA11H18A |

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| | | | | | | |
|------------------------|---|---------------------|-------------------------|--|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | BAGHOUSE RESIDUE | | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 40 | | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Other (Solid) | | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | Aliquot ID: 45884-040 | | Matrix: Other (Solid) | Analyst: GAN | | |
|--|--------|---|-------|------------------------------|----------|------------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Aroclor-1221 | U | | µg/kg | 500 | 75 | 08/17/11 | PS11H17E | 08/18/11 | SA11H18A |
| 3. Aroclor-1232 | U | | µg/kg | 500 | 75 | 08/17/11 | PS11H17E | 08/18/11 | SA11H18A |
| 4. Aroclor-1242 | 3800 | | µg/kg | 500 | 75 | 08/17/11 | PS11H17E | 08/18/11 | SA11H18A |
| 5. Aroclor-1248 | U | | µg/kg | 500 | 75 | 08/17/11 | PS11H17E | 08/18/11 | SA11H18A |
| 6. Aroclor-1254 | U | | µg/kg | 500 | 75 | 08/17/11 | PS11H17E | 08/18/11 | SA11H18A |
| 7. Aroclor-1260 | U | | µg/kg | 500 | 75 | 08/17/11 | PS11H17E | 08/18/11 | SA11H18A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 500 | 75 | 08/17/11 | PS11H17E | 08/18/11 | SA11H18A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 500 | 75 | 08/17/11 | PS11H17E | 08/18/11 | SA11H18A |

| Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3550C/EPA 8270C) | | | | Aliquot ID: 45884-040 | | Matrix: Other (Solid) | Analyst: HLS | | |
|---|--------|---|-------|------------------------------|----------|------------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 2. Acenaphthylene | 470 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 3. Aniline | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 4. Anthracene | 2700 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 5. Azobenzene (NN) | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 6. Benzo(a)anthracene | 8700 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 7. Benzo(a)pyrene | 4500 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 8. Benzo(b)fluoranthene | 13000 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 9. Benzo(k)fluoranthene | 3100 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 10. Benzyl Alcohol | U | | µg/kg | 3300 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 11. Bis(2-chloroethoxy)methane | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 12. Bis(2-chloroethyl)ether | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 13. Bis(2-chloroisopropyl) Ether | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 14. Bis(2-ethylhexyl)phthalate (NN) | 12000 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 15. 4-Bromophenyl Phenylether (NN) | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 16. Butyl Benzyl Phthalate | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 17. Carbazole (NN) | 1800 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 18. 4-Chloro-3-methylphenol | U | | µg/kg | 280 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 19. 2-Chloronaphthalene | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 20. 2-Chlorophenol | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 21. 4-Chlorophenyl Phenylether | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 22. Chrysene | 12000 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 23. Dibenzofuran | 480 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 24. 2,4-Dichlorophenol | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 25. Diethyl Phthalate | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 26. Dimethyl Phthalate | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 27. 2,4-Dimethylphenol | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 28. Di-n-butyl Phthalate | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 29. 2,4-Dinitrophenol | U | | µg/kg | 2500 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |

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| | | | | | |
|------------------------|---|---------------------|-------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | BAGHOUSE RESIDUE | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 40 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Other (Solid) | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3550C/EPA 8270C) | | | | Aliquot ID: 45884-040 | | Matrix: Other (Solid) | Analyst: HLS | | |
|---|--------------|---|-------|------------------------------|----------|------------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 30. 2,4-Dinitrotoluene (NN) | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 31. 2,6-Dinitrotoluene (NN) | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 32. Di-n-octyl Phthalate | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 33. Fluoranthene | 33000 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 34. Fluorene | 890 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 35. Hexachlorobenzene | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 36. Hexachlorobutadiene | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 37. Hexachlorocyclopentadiene | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 38. Hexachloroethane | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 39. Isophorone | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 40. 2-Methyl-4,6-dinitrophenol (NN) | U | | µg/kg | 2500 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 41. 2-Methylnaphthalene | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 42. 2-Methylphenol (NN) | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 43. 3&4-Methylphenol (NN) | U | | µg/kg | 660 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 44. Naphthalene | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 45. 2-Nitroaniline | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 46. 3-Nitroaniline | U | | µg/kg | 830 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 47. 4-Nitroaniline | U | | µg/kg | 830 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 48. Nitrobenzene | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 49. 2-Nitrophenol | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 50. 4-Nitrophenol | U | | µg/kg | 2500 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 51. N-Nitrosodimethylamine | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 52. N-Nitrosodi-n-propylamine | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 53. N-Nitrosodiphenylamine | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 54. Pentachlorophenol | U | | µg/kg | 1300 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 55. Phenanthrene | 34000 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 56. Phenol | 450 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 57. Pyrene | 39000 | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 58. Pyridine | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 59. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 60. 2,4,5-Trichlorophenol | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |
| 61. 2,4,6-Trichlorophenol | U | | µg/kg | 330 | 7.5 | 08/17/11 | PS11H17E | 08/23/11 | S111H23A |

| Corrosivity (Waste Characterization) (EPA 9045D) | | | | Aliquot ID: 45884-040 | | Matrix: Other (Solid) | Analyst: LRW | | |
|---|-------------|---|----------|------------------------------|----------|------------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. pH | 8.28 | | pH Units | NA | 1.0 | 08/17/11 | WD11H17A | 08/17/11 | WD11H17A |

| Inorganic Anions by IC (EPA 0300.0/EPA 9056) | | | | Aliquot ID: 45884-040 | | Matrix: Other (Solid) | Analyst: HLL | | |
|---|--------------------|---|-------|------------------------------|----------|------------------------------|---------------------|-------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1914 Holloway Drive | Holt, MI 48842 | | | T: (517) 699-0345 | | | | F: (517) 699-0388 | |
| 11766 E. Grand River | Brighton, MI 48116 | | | T: (810) 220-3300 | | | | F: (810) 220-3311 | |
| 8660 S. Mackinaw Trail | Cadillac, MI 49601 | | | T: (231) 775-8368 | | | | F: (231) 775-8584 | |

| | | | | | |
|------------------------|---|---------------------|-------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | BAGHOUSE RESIDUE | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 40 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Other (Solid) | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Inorganic Anions by IC (EPA 0300.0/EPA 9056) | | Aliquot ID: 45884-040 | | | | Matrix: Other (Solid) | Analyst: HLL | | |
|---|------------------|------------------------------|-------|-----------------|----------|------------------------------|---------------------|----------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Bromide | 3000 | | µg/kg | 2000 | 2.0 | 08/16/11 16:16 | PW11H16B | 08/23/11 16:58 | WA11H23A |
| 2. Chloride | 230000000 | | µg/kg | 4000000 | 400 | 08/16/11 16:16 | PW11H16B | 08/24/11 12:30 | WA11H24A |
| 3. Fluoride | 2700 | | µg/kg | 1000 | 2.0 | 08/16/11 16:16 | PW11H16B | 08/23/11 16:58 | WA11H23A |
| 4. Nitrate-N | 29000 | | µg/kg | 1000 | 4.0 | 08/16/11 16:16 | PW11H16B | 08/23/11 16:17 | WA11H23A |
| 5. Nitrite-N | 29000 | | µg/kg | 20000 | 200 | 08/16/11 16:16 | PW11H16B | 08/23/11 16:02 | WA11H23A |
| 6. Sulfate | 6300000 | | µg/kg | 80000 | 16 | 08/16/11 16:16 | PW11H16B | 08/24/11 12:15 | WA11H24A |

| Reactive Sulfide (Waste Characterization) (EPA H2S) | | Aliquot ID: 45884-040 | | | | Matrix: Other (Solid) | Analyst: LRW | | |
|--|----------|------------------------------|-------|-----------------|----------|------------------------------|---------------------|----------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Sulfide, Reactive (NN) | U | | µg/kg | 6600 | 1.0 | NA | NA | 08/18/11 00:00 | WG11H18A |

| Reactive Cyanide (Waste Characterization) (EPA HCN) | | Aliquot ID: 45884-040 | | | | Matrix: Other (Solid) | Analyst: LRW | | |
|--|----------|------------------------------|-------|-----------------|----------|------------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Cyanide, Reactive (NN) | U | | µg/kg | 8600 | 1.0 | NA | NA | 08/18/11 | WG11H18A |

| | | | | | |
|------------------------|---|---------------------|-------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #1 | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 41 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-041A | Matrix: Soil/Solid | Analyst: ZSM | |
|---|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 28 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-041A | Matrix: Soil/Solid | Analyst: MAP | |
|--|----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 15000000 | | µg/kg | 4000000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-041A | Matrix: Soil/Solid | Analyst: JLH | |
|---|-----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 140000000 | | µg/kg | 500000 | 10000 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 2. Arsenic | 2200 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 3. Cadmium | 4100 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 4. Chromium | 150000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 5. Lead | 500000 | | µg/kg | 1000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 6. Manganese | 710000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 7. Nickel | 110000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 8. Selenium | 2500 | | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 9. Zinc | 3100000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-041A | Matrix: Soil/Solid | Analyst: JLH | |
|------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19B | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | | | Aliquot ID: 45884-041A | Matrix: Soil/Solid | Analyst: GAN | |
|---|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 460 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 2. Aroclor-1221 | U | | µg/kg | 460 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 3. Aroclor-1232 | U | | µg/kg | 460 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 4. Aroclor-1242 | U | | µg/kg | 460 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 5. Aroclor-1248 | U | | µg/kg | 460 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 6. Aroclor-1254 | U | | µg/kg | 460 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 7. Aroclor-1260 | U | | µg/kg | 460 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 460 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 460 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | SA11H22A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-041 | Matrix: Soil/Solid | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |

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 F: (810) 220-3311
 F: (231) 775-8584

| | | | | | |
|------------------------|---|---------------------|-------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #1 | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 41 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-041 | | Matrix: Soil/Solid | | Analyst: JAS | |
|---|--------|---|-------|-----------------------|----------|--------------------|------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 20. Dibromochloromethane | U | | µg/kg | 140 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 40. Methylene Chloride | U | | µg/kg | 140 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |

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| | | | | | |
|--|---|---------------------|-------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #1 | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 41 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-041 | | Matrix: Soil/Solid | | Analyst: JAS | |
|---|--------|---|-------|-----------------------|----------|--------------------|------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-041A | | Matrix: Soil/Solid | | Analyst: HLS | |
|---|--------|---|-------|------------------------|----------|--------------------|------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 2. Acenaphthylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 3. Anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 4. Benzo(a)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 5. Benzo(a)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 6. Benzo(b)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 7. Benzo(ghi)perylene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 8. Benzo(k)fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 9. Chrysene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 10. Dibenzo(a,h)anthracene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 11. Fluoranthene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 12. Fluorene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 13. Indeno(1,2,3-cd)pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 14. 2-Methylnaphthalene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 15. Phenanthrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |
| 16. Pyrene | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/21/11 | S611H20A |

| | | | |
|---|--|---|---|
| 1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail | Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 | T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 | F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584 |
| DCSID: G-610.13 (03/21/11) | lab@fibertec.us | RSN: 45884-110921165102 | |

| | | | | | |
|--|---|---------------------|-------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #2 | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 42 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-042A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 10.0 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-042A | Matrix: Soil/Solid | Analyst: MAP | |
|---|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 2500000 | | µg/kg | 40000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-042A | Matrix: Soil/Solid | Analyst: JLH | |
|--|----------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 17000000 | | µg/kg | 100000 | 2000 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 2. Arsenic | 2100 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 3. Cadmium | 980 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 4. Chromium | 22000 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 5. Lead | 46000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 6. Manganese | 170000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 7. Nickel | 24000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 8. Selenium | 520 | | µg/kg | 200 | 10 | 08/19/11 | PT11H19D | 08/23/11 | T211H23A |
| 9. Zinc | 1500000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-042A | Matrix: Soil/Solid | Analyst: JLH | |
|-------------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19B | 08/22/11 | M411H22C |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-042 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

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F: (231) 775-8584

| | | | | | |
|------------------------|---|---------------------|--------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #2 | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 42 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-042 | | Matrix: Soil/Solid | | Analyst: JAS | |
|--|--------|---|-------|------------------------------|----------|---------------------------|------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 43. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

1914 Holloway Drive
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 F: (810) 220-3311
 F: (231) 775-8584

| | | | | | |
|---|---|---------------------|--------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #2 | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 42 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-042 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-042A | | Matrix: Soil/Solid | Analyst: HLS | | |
|--|--------|---|-------|-------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 12. Fluorene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 15. Phenanthrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |
| 16. Pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/22/11 | PS11H22B | 08/22/11 | S611H22B |

| | | | | | |
|------------------------|---|---------------------|-------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #3 | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 43 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-043A | Matrix: Soil/Solid | Analyst: ZSM | |
|---|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 17 | | % | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-043A | Matrix: Soil/Solid | Analyst: MAP | |
|--|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 6400000 | | µg/kg | 4000000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-043A | Matrix: Soil/Solid | Analyst: JLH | |
|---|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 4400000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 2. Arsenic | 1900 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 3. Cadmium | 110 | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 4. Chromium | 6900 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 5. Lead | 5400 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 6. Manganese | 180000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 7. Nickel | 9300 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 8. Selenium | | U | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 9. Zinc | 36000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-043A | Matrix: Soil/Solid | Analyst: JLH | |
|------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | | U | µg/kg | 50 | 10 | 08/19/11 | PM11H19B | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | | | Aliquot ID: 45884-043A | Matrix: Soil/Solid | Analyst: BDA | |
|---|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | | U | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 2. Aroclor-1221 | | U | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 3. Aroclor-1232 | | U | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 4. Aroclor-1242 | | U | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 5. Aroclor-1248 | | U | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 6. Aroclor-1254 | | U | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 7. Aroclor-1260 | | U | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 8. Aroclor-1262 (NN) | | U | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 9. Aroclor-1268 (NN) | | U | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-043 | Matrix: Soil/Solid | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | | U | µg/kg | 1000 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

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| | | | | | |
|------------------------|---|---------------------|-------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #3 | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 43 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-043 | | Matrix: Soil/Solid | | Analyst: JAS | |
|---|--------|---|-------|-----------------------|----------|--------------------|------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 10. n-Butylbenzene | 3900 | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 11. sec-Butylbenzene | 5300 | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 20. Dibromochloromethane | U | | µg/kg | 120 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 35. Ethylbenzene | 4400 | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 38. Isopropylbenzene | 2200 | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 40. Methylene Chloride | U | | µg/kg | 120 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

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|--|---|---------------------|-------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #3 | Chain of Custody: | 106895 |
| Client Project Name: | 6976f-2-20 | Sample No: | 43 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-043 | | Matrix: Soil/Solid | | Analyst: JAS | |
|---|--------|---|-------|-----------------------|----------|--------------------|------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 43. Naphthalene | 7800 | | µg/kg | 330 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 44. n-Propylbenzene | 4700 | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 56. 1,2,3-Trimethylbenzene (NN) | 7400 | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-043A | | Matrix: Soil/Solid | | Analyst: HLS | |
|---|--------|---|-------|------------------------|----------|--------------------|------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | 3000 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 12. Fluorene (SIM) | 5700 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 14. 2-Methylnaphthalene (SIM) | 27000 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 15. Phenanthrene (SIM) | 9200 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 16. Pyrene (SIM) | 2200 | | µg/kg | 330 | 20 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |

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|---|--|---|---|
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| DCSID: G-610.13 (03/21/11) | lab@fibertec.us | RSN: 45884-110921165102 | |

| | | | | | |
|--|---|---------------------|-------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #4 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 44 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Dry Weight Determination (ASTM D 2974-87) | | | | | | Aliquot ID: 45884-044A | Matrix: Soil/Solid | Analyst: ZSM | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Percent Moisture (Water Content) (NN) | 7.6 | % | | 0.1 | 1.0 | 08/18/11 | MC110818 | 08/19/11 | MC110818 |

| Trace Elements by ICP/AES (EPA 0200.2-M/EPA 6010C) | | | | | | Aliquot ID: 45884-044A | Matrix: Soil/Solid | Analyst: MAP | |
|---|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 700000 | | µg/kg | 40000 | 40 | 08/19/11 | PT11H19D | 08/21/11 | T311H15A |

| Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A) | | | | | | Aliquot ID: 45884-044A | Matrix: Soil/Solid | Analyst: JLH | |
|--|---------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 3200000 | | µg/kg | 25000 | 500 | 08/19/11 | PT11H19D | 08/19/11 | T211H19B |
| 2. Arsenic | 1200 | | µg/kg | 100 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 3. Cadmium | U | | µg/kg | 50 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 4. Chromium | 3900 | | µg/kg | 500 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 5. Lead | 2200 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 6. Manganese | 78000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 7. Nickel | 4100 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 8. Selenium | U | | µg/kg | 200 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |
| 9. Zinc | 12000 | | µg/kg | 1000 | 20 | 08/19/11 | PT11H19D | 08/22/11 | T211H22A |

| Mercury by CVAAS (EPA 7471B) | | | | | | Aliquot ID: 45884-044A | Matrix: Soil/Solid | Analyst: JLH | |
|-------------------------------------|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/kg | 50 | 10 | 08/19/11 | PM11H19B | 08/22/11 | M411H22C |

| Polychlorinated Biphenyls (PCBs) (EPA 3546/EPA 8082A) | | | | | | Aliquot ID: 45884-044A | Matrix: Soil/Solid | Analyst: BDA | |
|--|--------|---|-------|-----------------|----------|------------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aroclor-1016 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 2. Aroclor-1221 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 3. Aroclor-1232 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 4. Aroclor-1242 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 5. Aroclor-1248 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 6. Aroclor-1254 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 7. Aroclor-1260 | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 8. Aroclor-1262 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |
| 9. Aroclor-1268 (NN) | U | | µg/kg | 330 | 5.0 | 08/19/11 | PS11H19C | 08/19/11 | SB11H18A |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | | | Aliquot ID: 45884-044 | Matrix: Soil/Solid | Analyst: JAS | |
|--|--------|---|-------|-----------------|----------|-----------------------|--------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

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| | | | | | |
|--|---|---------------------|-------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #4 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 44 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-044 | | Matrix: Soil/Solid | | Analyst: JAS | |
|---|--------|------|-------|-----------------------|----------|--------------------|------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 10. n-Butylbenzene | 450 | J,V+ | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 11. sec-Butylbenzene | 150 | | µg/kg | 50 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 20. Dibromochloromethane | U | | µg/kg | 110 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 23. 1,2-Dichlorobenzene | 400 | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 40. Methylene Chloride | U | | µg/kg | 110 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 41. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

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8660 S. Mackinaw Trail

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F: (231) 775-8584

| | | | | | |
|--|---|---------------------|-------------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | SOIL DUPLICATE #4 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 44 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-044 | | Matrix: Soil/Solid | | Analyst: JAS | |
|---|--------|---|-------|-----------------------|----------|--------------------|------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 42. MTBE | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 43. Naphthalene | 720 | | µg/kg | 330 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 44. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 45. Styrene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 48. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 49. Toluene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 51. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 52. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 53. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 54. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 55. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 56. 1,2,3-Trimethylbenzene (NN) | 600 | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 57. 1,2,4-Trimethylbenzene | 910 | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 58. 1,3,5-Trimethylbenzene | 280 | | µg/kg | 100 | 1.0 | 08/22/11 | V911H22B | 08/22/11 | V911H22B |
| 59. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 60. Xylenes | U | | µg/kg | 150 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3546/EPA 8270C) | | | | Aliquot ID: 45884-044A | | Matrix: Soil/Solid | | Analyst: HLS | |
|---|--------|---|-------|------------------------|----------|--------------------|------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 2. Acenaphthylene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 3. Anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 4. Benzo(a)anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 5. Benzo(a)pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 9. Chrysene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 11. Fluoranthene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 12. Fluorene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 15. Phenanthrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |
| 16. Pyrene (SIM) | U | | µg/kg | 330 | 1.0 | 08/19/11 | PS11H19C | 08/22/11 | S611H22B |

| | | | |
|---|--|---|---|
| 1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail | Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 | T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 | F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584 |
| DCSID: G-610.13 (03/21/11) | lab@fibertec.us | RSN: 45884-110921165102 | |

| | | | | | | | |
|------------------------|---|---------------------|------------------------------|--|-------------------|-----------------|--|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | GROUNDWATER DUPLICATE | | Chain of Custody: | 106896 | |
| Client Project Name: | 6976f-2-20 | Sample No: | 45 | | Collect Date: | 08/12/11 | |
| Client Project No: | NA | Sample Matrix: | Ground Water | | Collect Time: | NA | |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-045A | Matrix: Ground Water | Analyst: MAP | |
|---|-------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | 8800 | | µg/L | 300 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-045A | Matrix: Ground Water | Analyst: JLH | |
|--|-------------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | 9300 | | µg/L | 100 | 100 | 08/18/11 | PT11H18D | 08/19/11 | T211H19A |
| 2. Arsenic | 6.6 | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | U | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | 15 | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | 2500 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | U | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-045A | Matrix: Ground Water | Analyst: JLH | |
|--|----------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-045 | Matrix: Ground Water | Analyst: JAS | |
|---|----------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 11. sec-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 17. Chloroform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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| | | | | | |
|------------------------|---|---------------------|------------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | GROUNDWATER DUPLICATE | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 45 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-045 | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 43. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 44. n-Propylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 49. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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| | | | | | |
|------------------------|---|---------------------|------------------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | GROUNDWATER DUPLICATE | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 45 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-045 | Matrix: Ground Water | Analyst: JAS | | |
|---|--------|---|-------|-----------------|------------------------------|-----------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 60. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-045B | Matrix: Ground Water | Analyst: HLS | | |
|---|--------|---|-------|-----------------|-------------------------------|-----------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 1.2 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | |
|------------------------|---|---------------------|----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | TRIP BLANK #1 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 46 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-046 | | Matrix: Ground Water | Analyst: JAS | | |
|---|---------------|----------|--------------|------------------------------|-----------------|-----------------------------|---------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 11. sec-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 17. Chloroform | 1.2 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

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| | | | | | |
|------------------------|---|---------------------|----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | TRIP BLANK #1 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 46 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-046 | Matrix: Ground Water | Analyst: JAS | |
|---|---------------|----------|--------------|------------------------|-----------------|------------------------------|-----------------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 41. 2-Methylnaphthalene (NN) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 42. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 43. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 44. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 45. n-Propylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 46. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 47. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 48. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 49. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 50. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 51. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 52. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 53. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 54. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 55. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 56. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 57. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 58. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 59. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 60. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 61. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

| | | | | | |
|------------------------|---|---------------------|----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | TRIP BLANK #2 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 47 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-047 | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 11. sec-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 17. Chloroform | 1.1 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

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| | | | | | |
|------------------------|---|---------------------|----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | TRIP BLANK #2 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 47 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-047 | Matrix: Ground Water | Analyst: JAS | |
|---|---------------|----------|--------------|------------------------|-----------------|------------------------------|-----------------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 41. 2-Methylnaphthalene (NN) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 42. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 43. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 44. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 45. n-Propylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 46. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 47. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 48. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 49. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 50. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 51. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 52. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 53. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 54. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 55. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 56. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 57. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 58. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 59. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 60. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 61. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

| | | | | | |
|------------------------|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | METHANOL BLANK | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 48 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-048 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/kg | 1000 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 2. Acrylonitrile | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 3. Benzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 4. Bromobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 5. Bromochloromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 6. Bromodichloromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 7. Bromoform | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 8. Bromomethane | U | | µg/kg | 200 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 9. 2-Butanone | U | | µg/kg | 750 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 10. n-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 11. sec-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 12. tert-Butylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 13. Carbon Disulfide | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 14. Carbon Tetrachloride | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 15. Chlorobenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 16. Chloroethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 17. Chloroform | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 18. Chloromethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 19. 2-Chlorotoluene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 20. Dibromochloromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/kg | 10 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 22. Dibromomethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 23. 1,2-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 24. 1,3-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 25. 1,4-Dichlorobenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 26. Dichlorodifluoromethane | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 27. 1,1-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 28. 1,2-Dichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 29. 1,1-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 30. cis-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 31. trans-1,2-Dichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 32. 1,2-Dichloropropane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 33. cis-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 34. trans-1,3-Dichloropropene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 35. Ethylbenzene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 36. Ethylene Dibromide | U | | µg/kg | 20 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 37. 2-Hexanone | U | | µg/kg | 2500 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 38. Isopropylbenzene | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 39. Methyl Iodide | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 40. Methylene Chloride | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

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| | | | | | |
|--|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | METHANOL BLANK | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 48 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Soil/Solid | Collect Time: | NA |
| Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. | | | | | |
| Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis. | | | | | |

| Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) | | | | Aliquot ID: 45884-048 | | Matrix: Soil/Solid | Analyst: JAS | | |
|--|--------|---|-------|------------------------------|----------|---------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 41. 2-Methylnaphthalene (NN) | U | | µg/kg | 330 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 42. 4-Methyl-2-pentanone | U | | µg/kg | 2500 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 43. MTBE | U | | µg/kg | 250 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 44. Naphthalene | U | | µg/kg | 330 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 45. n-Propylbenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 46. Styrene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 47. 1,1,1,2-Tetrachloroethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 48. 1,1,2,2-Tetrachloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 49. Tetrachloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 50. Toluene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 51. 1,2,4-Trichlorobenzene | U | | µg/kg | 330 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 52. 1,1,1-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 53. 1,1,2-Trichloroethane | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 54. Trichloroethene | U | | µg/kg | 50 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 55. Trichlorofluoromethane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 56. 1,2,3-Trichloropropane | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 57. 1,2,3-Trimethylbenzene (NN) | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 58. 1,2,4-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 59. 1,3,5-Trimethylbenzene | U | | µg/kg | 100 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 60. Vinyl Chloride | U | | µg/kg | 40 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |
| 61. Xylenes | U | | µg/kg | 150 | 1.0 | 08/21/11 | V911H21B | 08/21/11 | V911H21B |

| | | | | | |
|------------------------|---|---------------------|----------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | FIELD BLANK #1 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 49 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) **Aliquot ID: 45884-049A** **Matrix: Ground Water** **Analyst: MAP**

| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
|--------------|--------|---|-------|-----------------|----------|-----------|------------|---------------|----------------|
| 1. Magnesium | U | | µg/L | 300 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) **Aliquot ID: 45884-049A** **Matrix: Ground Water** **Analyst: JLH**

| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
|--------------|--------|---|-------|-----------------|----------|-----------|------------|---------------|----------------|
| 1. Aluminum | 64 | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 2. Arsenic | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | U | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | U | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | U | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

Mercury by CVAAS, Total (EPA 7470A) **Aliquot ID: 45884-049A** **Matrix: Ground Water** **Analyst: JLH**

| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
|--------------|--------|---|-------|-----------------|----------|-----------|------------|---------------|----------------|
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 45884-049** **Matrix: Ground Water** **Analyst: JAS**

| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
|--------------------------|--------|---|-------|-----------------|----------|-----------|------------|---------------|----------------|
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 11. sec-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 17. Chloroform | 1.2 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **FIELD BLANK #1**

Chain of Custody: **106896**

Client Project Name: **6976f-2-20**

Sample No: **49**

Collect Date: **08/11/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-049 | | Matrix: Ground Water | | Analyst: JAS | |
|---|---------------|----------|--------------|------------------------------|-----------------|-----------------------------|-------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 43. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 44. n-Propylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 49. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

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|------------------------|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | FIELD BLANK #1 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 49 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-049 | | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 60. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-049B | | Matrix: Ground Water | Analyst: HLS | |
|---|--------|---|-------|-----------------|-------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | |
|------------------------|---|---------------------|----------------|-------------------|----------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | FIELD BLANK #2 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 50 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) **Aliquot ID: 45884-050A** **Matrix: Ground Water** **Analyst: MAP**

| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
|--------------|--------|---|-------|-----------------|----------|-----------|------------|---------------|----------------|
| 1. Magnesium | U | | µg/L | 300 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) **Aliquot ID: 45884-050A** **Matrix: Ground Water** **Analyst: JLH**

| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
|--------------|--------|---|-------|-----------------|----------|-----------|------------|---------------|----------------|
| 1. Aluminum | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 2. Arsenic | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | U | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | U | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | U | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

Mercury by CVAAS, Total (EPA 7470A) **Aliquot ID: 45884-050A** **Matrix: Ground Water** **Analyst: JLH**

| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
|--------------|--------|---|-------|-----------------|----------|-----------|------------|---------------|----------------|
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 45884-050** **Matrix: Ground Water** **Analyst: JAS**

| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
|--------------------------|--------|---|-------|-----------------|----------|-----------|------------|---------------|----------------|
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 11. sec-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 17. Chloroform | 1.1 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

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|------------------------|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | FIELD BLANK #2 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 50 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-050 | | Matrix: Ground Water | Analyst: JAS | | |
|---|---------------|----------|--------------|------------------------------|-----------------|-----------------------------|---------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 43. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 44. n-Propylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 49. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

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|------------------------|---|---------------------|-----------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | FIELD BLANK #2 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 50 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-050 | Matrix: Ground Water | Analyst: JAS | | |
|---|--------|---|-------|-----------------|------------------------------|-----------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 60. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-050B | Matrix: Ground Water | Analyst: HLS | | |
|---|--------|---|-------|-----------------|-------------------------------|-----------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 1.1 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | EQ BLANK #1 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 51 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-051A | Matrix: Ground Water | Analyst: MAP | |
|---|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | U | | µg/L | 300 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-051A | Matrix: Ground Water | Analyst: JLH | |
|--|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 2. Arsenic | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | U | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | U | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | U | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-051A | Matrix: Ground Water | Analyst: JLH | |
|--|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-051 | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 11. sec-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 17. Chloroform | 1.0 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **EQ BLANK #1**

Chain of Custody: **106896**

Client Project Name: **6976f-2-20**

Sample No: **51**

Collect Date: **08/11/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-051 | | Matrix: Ground Water | | Analyst: JAS | |
|---|---------------|----------|--------------|------------------------------|-----------------|-----------------------------|-------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 43. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 44. n-Propylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 49. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

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|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | EQ BLANK #1 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 51 | Collect Date: | 08/11/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-051 | Matrix: Ground Water | Analyst: JAS | | |
|---|--------|---|-------|-----------------|------------------------------|-----------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 60. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-051B | Matrix: Ground Water | Analyst: HLS | | |
|---|--------|---|-------|-----------------|-------------------------------|-----------------------------|---------------------|---------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | EQ BLANK #2 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 52 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-052A | Matrix: Ground Water | Analyst: MAP | |
|---|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | U | | µg/L | 300 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-052A | Matrix: Ground Water | Analyst: JLH | |
|--|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 2. Arsenic | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | U | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | U | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | U | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-052A | Matrix: Ground Water | Analyst: JLH | |
|--|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-052 | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 11. sec-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 17. Chloroform | 1.1 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **EQ BLANK #2**

Chain of Custody: **106896**

Client Project Name: **6976f-2-20**

Sample No: **52**

Collect Date: **08/12/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-052 | | Matrix: Ground Water | | Analyst: JAS | |
|---|---------------|----------|--------------|------------------------------|-----------------|-----------------------------|-------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 43. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 44. n-Propylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 49. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

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| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | EQ BLANK #2 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 52 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-052 | | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |
| 60. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/17/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-052B | | Matrix: Ground Water | Analyst: HLS | |
|---|--------|---|-------|-----------------|-------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/18/11 | S611H18A |

| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | EQ BLANK #3 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 53 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Trace Elements by ICP/AES, Total Recoverable (EPA 3005A-M/EPA 6010C) | | | | | | Aliquot ID: 45884-053A | Matrix: Ground Water | Analyst: MAP | |
|---|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Magnesium | U | | µg/L | 300 | 10 | 08/18/11 | PT11H18D | 08/19/11 | T311H15A |

| Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A) | | | | | | Aliquot ID: 45884-053A | Matrix: Ground Water | Analyst: JLH | |
|--|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Aluminum | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 2. Arsenic | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 3. Cadmium | U | | µg/L | 1.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 4. Chromium | U | | µg/L | 10 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 5. Lead | U | | µg/L | 3.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 6. Manganese | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 7. Nickel | U | | µg/L | 20 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 8. Selenium | U | | µg/L | 5.0 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |
| 9. Zinc | U | | µg/L | 50 | 10 | 08/18/11 | PT11H18D | 08/18/11 | T211H18A |

| Mercury by CVAAS, Total (EPA 7470A) | | | | | | Aliquot ID: 45884-053A | Matrix: Ground Water | Analyst: JLH | |
|--|--------|---|-------|-----------------|----------|-------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Mercury | U | | µg/L | 0.20 | 1.0 | 08/18/11 | PM11H18A | 08/18/11 | M411H18A |

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | | Aliquot ID: 45884-053 | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|----------|------------------------------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acetone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 2. Acrylonitrile | U | | µg/L | 2.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 3. Benzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 4. Bromobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 5. Bromochloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 6. Bromodichloromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 7. Bromoform | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 8. Bromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 9. 2-Butanone | U | | µg/L | 25 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 10. n-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 11. sec-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 12. tert-Butylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 13. Carbon Disulfide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 14. Carbon Tetrachloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 15. Chlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 16. Chloroethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 17. Chloroform | 1.1 | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 18. Chloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

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Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Sample Description: **EQ BLANK #3**

Chain of Custody: **106896**

Client Project Name: **6976f-2-20**

Sample No: **53**

Collect Date: **08/12/11**

Client Project No: **NA**

Sample Matrix: **Ground Water**

Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | Aliquot ID: 45884-053 | | Matrix: Ground Water | | Analyst: JAS | |
|---|---------------|----------|--------------|------------------------------|-----------------|-----------------------------|-------------------|----------------------|-----------------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 19. 2-Chlorotoluene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 20. Dibromochloromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 21. 1,2-Dibromo-3-chloropropane (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 22. Dibromomethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 23. 1,2-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 24. 1,3-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 25. 1,4-Dichlorobenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 26. Dichlorodifluoromethane | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 27. 1,1-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 28. 1,2-Dichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 29. 1,1-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 30. cis-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 31. trans-1,2-Dichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 32. 1,2-Dichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 33. cis-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 34. trans-1,3-Dichloropropene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 35. Ethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 36. Ethylene Dibromide | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 37. 2-Hexanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 38. Isopropylbenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 39. Methyl Iodide | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 40. Methylene Chloride | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 41. 4-Methyl-2-pentanone | U | | µg/L | 50 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 42. MTBE | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 43. Naphthalene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 44. n-Propylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 45. Styrene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 46. 1,1,1,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 47. 1,1,2,2-Tetrachloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 48. Tetrachloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 49. Toluene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 50. 1,2,4-Trichlorobenzene | U | | µg/L | 5.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 51. 1,1,1-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 52. 1,1,2-Trichloroethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 53. Trichloroethene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 54. Trichlorofluoromethane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 55. 1,2,3-Trichloropropane | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 56. 1,2,3-Trimethylbenzene (NN) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 57. 1,2,4-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 58. 1,3,5-Trimethylbenzene | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

1914 Holloway Drive
 11766 E. Grand River
 8660 S. Mackinaw Trail

Holt, MI 48842
 Brighton, MI 48116
 Cadillac, MI 49601

T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584

| | | | | | |
|------------------------|---|---------------------|---------------------|-------------------|-----------------|
| Client Identification: | AKT Peerless Environ. Svcs, Inc. - Farm. Hills | Sample Description: | EQ BLANK #3 | Chain of Custody: | 106896 |
| Client Project Name: | 6976f-2-20 | Sample No: | 53 | Collect Date: | 08/12/11 |
| Client Project No: | NA | Sample Matrix: | Ground Water | Collect Time: | NA |

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

| Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) | | | | | Aliquot ID: 45884-053 | | Matrix: Ground Water | Analyst: JAS | |
|---|--------|---|-------|-----------------|------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 59. Vinyl Chloride | U | | µg/L | 1.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |
| 60. Xylenes | U | | µg/L | 3.0 | 1.0 | 08/17/11 | VB11H17B | 08/18/11 | VB11H17B |

| Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535A/EPA 8270C) | | | | | Aliquot ID: 45884-053B | | Matrix: Ground Water | Analyst: BDA | |
|---|--------|---|-------|-----------------|-------------------------------|-----------|-----------------------------|---------------------|----------------|
| Parameter(s) | Result | Q | Units | Reporting Limit | Dilution | Prep Date | Prep Batch | Analysis Date | Analysis Batch |
| 1. Acenaphthene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 2. Acenaphthylene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 3. Anthracene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 4. Benzo(a)anthracene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 5. Benzo(a)pyrene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 6. Benzo(b)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 7. Benzo(ghi)perylene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 8. Benzo(k)fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 9. Chrysene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 10. Dibenzo(a,h)anthracene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 11. Fluoranthene (SIM) | U | | µg/L | 1.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 12. Fluorene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 13. Indeno(1,2,3-cd)pyrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 14. 2-Methylnaphthalene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 15. Phenanthrene (SIM) | U | | µg/L | 2.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |
| 16. Pyrene (SIM) | U | | µg/L | 5.0 | 1.0 | 08/17/11 | PS11H17F | 08/19/11 | S511H19B |

Definitions/ Qualifiers:

- A: Spike recovery or precision unusable due to dilution.
- B: The analyte was detected in the associated method blank.
- E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- J: The concentration is an estimated value.
- M: Modified Method
- U: The analyte was not detected at or above the reporting limit.
- X: Matrix Interference has resulted in a raised reporting limit or distorted result.
- W: Results reported on a wet-weight basis.
- *: Value reported is outside QA limits

Exception Summary:

- G- : Recovery of the associated Surrogate Compound exceeds the lower control limit. Results may be biased low.
- V+ : Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.



Accreditation Number:

E-10395

Fibertec
environmental
services

8/11b

emailed

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Cadillac, MI 49601
Phone: 231 775 8348
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email: asbestos@fibertec.us

Analytical Laboratory

Industrial Hygiene Services, Inc.

Geoprobe

Chain of Custody #

1914 Holloway Drive
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Phone: 517 699 0345
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email: asbestos@fibertec.us

1766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

106892
PAGE 1 of 5

| Client Name: | | | | PARAMETERS | | | | | | | | | | | | Turnaround | Matrix Code |
|--|------|------|-------------------|------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------|
| Contact Person: | | | | | | | | | | | | | | | | 24 hour RUSH (no charge applies) | S Soil |
| Project Name/ Number: | | | | | | | | | | | | | | | | 48 hour RUSH (charge applied) | GW Ground Water |
| | | | | | | | | | | | | | | | | 72 hour RUSH (charge applied) | W Water SW Surface Water |
| | | | | | | | | | | | | | | | | <input checked="" type="checkbox"/> Standard (no surcharge) | A Air |
| | | | | | | | | | | | | | | | | <input type="checkbox"/> Other: Specify _____ | WW Wastewater |
| | | | | | | | | | | | | | | | | <input type="checkbox"/> Oil | X Other-Specify |
| | | | | | | | | | | | | | | | | <input type="checkbox"/> P Wipe | |
| Purchase Order# | | | | | | | | | | | | | | | | Remarks: | |
| Lab Sample # | Date | Time | Client Sample # | Client Sample Description | | | | | | | | | | | | MATRIX (SEE RIGH CORNER FOR CODE) | |
| 8-11-1 | - | - | AKT-1 (1-2) | S2 Y X X X X | | | | | | | | | | | | # OF CONTAINERS | |
| | | | AKT-2 (1-2) | S2 Y X X X X | | | | | | | | | | | | PRESERVED (Y/N) | |
| | | | AKT-3 (1-2) | S2 Y X X X X | | | | | | | | | | | | _____ | |
| | | | AKT-3 (1-2) mg/m³ | S2 Y X X X X | | | | | | | | | | | | METALS * PCBs | |
| | | | AKT-4 (3-4) | S2 Y X X X X | | | | | | | | | | | | _____ | |
| | | | AKT-5 (3-4) | S2 Y X X X X | | | | | | | | | | | | METALS INCLUDE: | |
| | | | AKT-6 (3-4) | S2 Y X X X X | | | | | | | | | | | | Arsenic, Cadmium, Chromium Lead, Mercury, Aluminum Magnesium, Manganese, Nickel, Zinc, Selenium | |
| | | | AKT-7 (1-2) | S2 Y X X X X | | | | | | | | | | | | | |
| | | | AKT-8 (6.5-1.5) | S2 Y X X X X | | | | | | | | | | | | | |
| | | | AKT-9 (0.5-1.5) | S2 Y X X X X | | | | | | | | | | | | | |
| Comments: | | | | | | | | | | | | | | | | | |
| Reinquished By: | | | | Date/ Time Received By: | | | | | | | | | | | | | |
| <i>J. H. J.</i> | | | | 3-15-11 | | | | | | | | | | | | | |
| Reinquished By: | | | | Date/ Time Received By: | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Reinquished By: | | | | Date/ Time Received By Laboratory: | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| LAB USE ONLY: Fibertec project number: Laboratory Tracking: Temperature at Receipt: | | | | | | | | | | | | | | | | | |

TERMS & CONDITIONS ON BACK

FiberTec
environmental
Services

1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fiberfec.us

8/16

emailed

| | | |
|-----------------------------------|---------------------|--------------------|
| Industrial Hygiene Services, Inc. | Geoprobe | Chain of Custody # |
| 1914 Holloway Drive | 1176 E. Grand River | 106893 |
| Holt, MI 48842 | Brighton, MI 48116 | PAGE 2 of 5 |
| Phone: 517 699 0345 | Phone: 810 220 3300 | |
| Fax: 517 699 0382 | Fax: 810 220 3311 | |
| email: asbestos@fiberfec.us | | |

| Client Name: | | | | PARAMETERS | | | | Turnaround | Matrix Code | | |
|--|-----------------------|------|-----------------|------------------------------------|---|---|---|--|-----------------|---|---|
| Contact Person: | Project Name/ Number: | | | | | | | 24 hour RUSH (turbo-ship applies) | S Soil | | |
| 6976F-2-20 | | | | | | | | 48 hour RUSH (surcharge applied) | Gw Ground Water | | |
| | | | | | | | | 72 hour RUSH (surcharge applied) | W Water | | |
| | | | | | | | | Standard (5-7 bus. days) | A Air | | |
| | | | | | | | | <input checked="" type="checkbox"/> Other: Specify _____ | WW Waste Water | | |
| | | | | | | | | <input type="checkbox"/> Other: Specify _____ | O Oil | | |
| | | | | | | | | <input type="checkbox"/> Other: Specify _____ | X Other Specify | | |
| | | | | | | | | <input type="checkbox"/> Other: Specify _____ | P Wipe | | |
| Purchase Order# | | | | MATRIX (SEE RIGHT CORNER FOR CODE) | | | | # OF CONTAINERS | | | |
| Lab Sample # | Date | Time | Client Sample # | Client Sample Description | | | | PRESERVED (Y/N) | | | |
| 8-11-11 | - | - | Akt-101 (1-2) | S 2 | Y | X | X | X | Y | X | X |
| 8-11 | - | - | Akt-121 (1-2) | S 2 | Y | X | X | X | Y | X | X |
| 8-11 | - | - | Akt-13 (17.5-3) | S 2 | Y | X | X | X | Y | X | X |
| 8-12 | - | - | Akt-14 (1-2) | S 2 | Y | X | X | X | Y | X | X |
| | - | - | Akt-15 (0.5-lc) | S 2 | Y | X | X | X | Y | X | X |
| | - | - | Akt-15 | S 2 | Y | X | X | X | Y | X | X |
| | - | - | Akt-15 w/MS/MSA | S 2 | Y | X | X | X | Y | X | X |
| | - | - | Akt-77 (17.3) | S 2 | Y | X | X | X | Y | X | X |
| | - | - | Akt-27 (11-2) | S 2 | Y | X | X | X | Y | X | X |
| | - | - | Akt-22 w | S 2 | Y | X | X | X | Y | X | X |
| Comments: | | | | | | | | | | | |
| Reinquished By: | Date/Time | | | Received By: | | | | | | | |
| <i>Jeanne T</i> | 8-15-11 | | | <i>Jeanne T</i> | | | | | | | |
| Relinquished By: | Date/Time | | | Received By: | | | | | | | |
| <i>Jeanne T</i> | | | | | | | | | | | |
| Relinquished By: | Date/Time | | | Received By Laboratory: | | | | | | | |
| <i>Jeanne T</i> | | | | | | | | | | | |
| LAB USE ONLY: FiberTec project number: Laboratory Tracking: Temperature at Receipt: | | | | | | | | | | | |

TERMS & CONDITIONS ON BACK

FiberTec
environmental
services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fiberfec.us

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 810 220 3311
email: asbestos@fiberfec.us

Geoprobe
11766 E Grand River
Brighton, MI 48116
PAGE 3 of 3

Chain of Custody #
4 0 6 8 9 4

emailed 8/16

| Client Name: | | | | PARAMETERS | | | | Turnaround | | Matrix Code | |
|--|------|------|--------------------|--------------------------|--|--|--|------------------------------------|--|-----------------|---------------|
| Contact Person: | | | | | | | | 24 hour RUSH | | S | Soil |
| Project Name/ Number: | | | | | | | | 48 hour RUSH (overcharge) | | W | Ground Water |
| AKT - Druress | | | | | | | | 72 hour RUSH (overcharge) | | SW | Surface Water |
| Jimmy Fox | | | | | | | | Standard (7 bus. day) | | A | Air |
| 6976 F-2-20 | | | | | | | | Other Specify | | W | Waste Water |
| | | | | | | | | | | O | Oil |
| | | | | | | | | | | X | Other Specify |
| | | | | | | | | | | P | Water |
| Purchase Order# | | | | | | | | | | | |
| Lab Sample # | Date | Time | Client Sample # | Client Sample Descriptor | | | | MATRIX (SEE RIGHT CORNER FOR CODE) | | # OF CONTAINERS | |
| 8-17-11 | - | - | AKT-23 (10-17) | S 2 Y X X X X | | | | PRESERVED (Y/N) | | 1/2 | |
| | | | AKT-24 (11-5) | S 2 Y X X X X | | | | | | VOCS | |
| | | | AKT-25 (17-2) | S 2 Y X X X X | | | | | | PNAS | |
| | | | AKT-26 (1-7) | S 2 Y X X X X | | | | | | METALS * | |
| | | | AKT-67 (8-9) | S 2 Y X X X X | | | | | | PCBs | |
| | | | AKT-27 (5) | S 2 Y X X X X | | | | | | | |
| | | | AKT-28 (5-6) | S 2 Y X X X X | | | | | | | |
| | | | AKT-29 (5-6) mg/m³ | S 2 Y X X X X | | | | | | | |
| | | | AKT-30 (5-6) mg/m³ | S 2 Y X X X X | | | | | | | |
| | | | AKT-31 (5-6) mg/m³ | S 2 Y X X X X | | | | | | | |
| | | | AKT-32 (5-6) mg/m³ | S 2 Y X X X X | | | | | | | |
| Comments: | | | | | | | | | | Remarks: | |
| Reinquished By: | | | | Date/ Time | | | | Received By | | | |
| Bauer J Fox | | | | 8-15-11 | | | | John Shuler 8/15/11 11:05 | | | |
| Reinquished By: | | | | Date/ Time | | | | Received By: | | | |
| Reinquished By: | | | | | | | | Received By Laboratory: | | | |
| LAB USE ONLY: Fibertec project number: Laboratory Tracking: Temperature of Receipt: | | | | | | | | | | | |

TERMS & CONDITIONS ON BACK

COC Revision: April, 2006

emailed 8/16

Fiber tec
environmental

FiberTec
environmental
services
1714 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345

1914 Holloway Drive 8660 S. Mackinaw Trail
Holt, MI 48842 **Cadillac, MI 49601**
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Industrial Hygiene Services, Inc.
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email: asbestos@fiberfetc.us

Geoprobe
1176 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax 810 220 3311

Chain of Custody #
106895
PAGE 4 of 5

| | | | | PARAMETERS | | Turnaround | | Matrix Code | | | |
|---|----------|------|------|---------------------------|--------------------------|-------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Lab | Sample # | Date | Time | Client Sample # | Client Sample Descriptor | | | S | Soil | Gw | Ground Water |
| | | | | | | # OF CONTAINERS | | W | Water | SW | Surface Water |
| | | | | | | PRESERVED (Y/N) | | | | | |
| <i>6-17-11</i> | | | | <i>AKT-30 (7-3)</i> | | <i>SZYX</i> | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <i>-</i> | | | | <i>AKT-30 (2-5)</i> | | <i>SZYXX</i> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>-</i> | | | | <i>Akt-30w</i> | | <i>SZYXX</i> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>-</i> | | | | <i>Akt-31w</i> | | <i>SZYXX</i> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>-</i> | | | | <i>Akt-37 (2-3)</i> | | <i>SZYXX</i> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>-</i> | | | | <i>Shet Lake</i> | | <i>SZYX</i> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>-</i> | | | | <i>Bughouse Reservoir</i> | | <i>Y2N</i> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Q-10-11</i> | | | | <i>Q-10-11</i> | | <i>SZYXX</i> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Q-10-11</i> | | | | <i>Q-10-11</i> | | <i>SZYXX</i> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Q-17-11</i> | | | | <i>Q-17-11</i> | | <i>SZYXX</i> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Comments:</i> | | | | | | | | | | | |
| Refined/Edited By: | | | | Date/ Time | | Received By: | | Remarks: | | | |
| <i>J. Fox</i> | | | | <i>6-15-11</i> | | <i>J. Fox</i> | | | | | |
| Reinstituted By: | | | | Date/ Time | | Received By: | | | | | |
| <i>J. Fox</i> | | | | | | | | | | | |
| Reinquished By: | | | | Date/ Time | | Received By Laboratory: | | | | | |
| | | | | | | | | | | | |
| LAB USE ONLY: Fiberotec project number: Laboratory Tracking: Temperature at Receipt: | | | | | | | | | | | |

TERMS & CONDITIONS ON BACK

Fibertec
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services

8714

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Fax: 517 699 0388
email: lab@fibertec.us

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Holt, MI 48842
Phone: 517 699 0345
Fax: 810 220 3311
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #
106896
PAGE 5 of 5

| | | | | PARAMETERS | | | | Turnaround | | Matrix Code | |
|--|----------------------|------|-----------------|------------------------------------|---|---|---|----------------------------------|----------------------------------|----------------------------------|-----------------|
| Sample # | Date | Time | Client Sample # | Client Sample Description | | | | 24 hour RUSH (no charge applied) | 48 hour RUSH (no charge applied) | 72 hour RUSH (surcharge applied) | |
| | | | | MATRIX (SEE RIGHT CORNER FOR CODE) | | | | S Soil | SW Ground Water | W Water | |
| | | | | # OF CONTAINERS | | | | M PRESERVED (Y/N) | M PRESERVED (Y/N) | WW Surface Water | A Air |
| | | | | PRESERVED (Y/N) | | | | P PCBs | M PCBs | WW Waste Water | O Oil |
| | | | | | | | | M PCBs | M PCBs | X Other Specify | X Other Specify |
| | | | | | | | | Remarks: | | | |
| 8-12-11 | | - | Soil Alpha | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Beta | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Gamma | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Delta | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Epsilon | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Zeta | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Eta | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Theta | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Iota | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Kappa | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Lambda | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Mu | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Nu | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Xi | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Omicron | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Pi | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Rho | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Sigma | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Tau | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Upsilon | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Phi | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Chi | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Psi | S | Z | Y | X | X | X | | |
| 8-12-11 | | - | Soil Omega | S | Z | Y | X | X | X | | |
| Comments: | | | | | | | | | | | |
| Reinquished By: <i>John J.</i> | Date/Time 8-15-11 | | | Received By: <i>John J.</i> | | | | | | | |
| Reinquished By: <i>John J.</i> | Date/Time | | | Received By: <i>John J.</i> | | | | | | | |
| Reinquished By: <i>John J.</i> | Date/Time | | | Received By Laboratory: | | | | | | | |
| LAB USE ONLY: Fibertec project number: Laboratory Tracking: Temperature at Receipt: | | | | | | | | | | | |

TERMS & CONDITIONS ON BACK

Fibertec
environmental
services

Analytical Laboratory
1914 Holloway Drive 8660 S. Mackinaw Trail
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Phone: 517 699 0345 Phone: 231 775 8368
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Geoprobe
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Brighton, MI 48116
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Fax: 810 220 3311

Chain of Custody #
106892
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| Client Name: | AKT Purkiss | | |
|--------------------------|-------------|------|-----------------|
| Contact Person: | Jimmy Fox | | |
| Project Name/ Number: | 6976f-2-10 | | |
| Purchase Order# | | | |
| Lab Sample # | Date | Time | Client Sample # |
| Client Sample Descriptor | | | |

| PARAMETERS | | | | Turnaround | Matrix Code |
|------------|--|--|--|--|------------------------|
| | | | | 24 hour RUSH (surcharge applies) | S Soil |
| | | | | 48 hour RUSH (surcharge applies) | GW Ground Water |
| | | | | 72 hour RUSH (surcharge applies) | SW Surface Water |
| | | | | X Standard (5-7 bus. days) | A Air |
| | | | | <input checked="" type="checkbox"/> Other, Specify _____ | WW Waste Water |
| | | | | <input type="checkbox"/> P Wipe | X Other, Specify _____ |
| | | | | Remarks: | |

| Lab Sample # | Date | Time | Client Sample # | Matrix Code | |
|--------------|------|------|--------------------|-------------|--|
| 8-11-11 | - | - | AKT-1 (1-2) | S 2 Y X | |
| | - | - | AKT-2 (1-2) | S 2 Y X | |
| | - | - | AKT-3 (1-2) ms/msd | S 2 Y X | |
| | - | - | AKT-4 (3-4) | S 2 Y X | |
| | - | - | AKT-5 (3-4) | S 2 Y X | |
| | - | - | AKT-6 (3-4) | S 2 Y X | |
| | - | - | AKT-7 (1-2) | S 2 Y X | |
| | - | - | AKT-8 (6.5-1.5) | S 2 Y X | |
| | - | - | AKT-9 (0.5-1.5) | S 2 Y X | |

Comments:

| | | |
|--|----------------------------------|--|
| Reinquished By: <i>Jimmy Fox</i> | Date/ Time: <i>8-15-11</i> | Received By: <i>Robert Shook 8/15/11:05</i> |
| Reinquished By: <i>Robert Shook</i> | Date/ Time: <i>8/15/11:05</i> | Received By Laboratory: <i>Robert Shook</i> |
| LAB USE ONLY: Fibertec project number: Temperature at Receipt: | <i>45884</i> | |

TERMS & CONDITIONS ON BACK

COC Revision: April, 2006

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ICE**

14

FiberTec
environmental
services

Analytical Laboratory
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Phone: 517 699 0345
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email: lab@fiberfec.us

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Geoprobe
11766 E. Grand River
Brighton, MI 48116
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Fax: 810 220 3311

Chain of Custody #
106893
PAGE 2 of 5

| Client Name: | AKT Puriss | | | | | |
|--|-----------------------|---|------------------|--------------------------|-------------------------------------|--------------------------|
| Contact Person: | Jimmy Fox | | | | | |
| Project Name/ Number: | 6976F-2-20 | | | | | |
| Purchase Order# | | | | | | |
| Lab Sample # | Date | Time | PARAMETERS | | Turnaround | Matrix Code |
| | | | Client Sample # | Client Sample Descriptor | | |
| 8-11 | - | - | AKT-10(1-2) | S 2 Y X | 24 hour RUSH (surcharge applies) | S Soil |
| 8-11 | - | - | AKT-12(1-2) | S 2 Y X | 48 hour RUSH (surcharge applies) | GW Ground Water |
| 8-11 | - | - | AKT-13 (2.5-3) | S 2 Y X | 72 hour RUSH (surcharge applies) | W Water SW Surface Water |
| 8-12 | - | - | AKT-14 (1-2) | S 2 Y X | X Standard (5-7 bus days) | A Air |
| | - | - | AKT-15 (0.5-1.5) | S 2 Y X | Other: Specify _____ | O Oil |
| | - | - | AKT-15W MS/MSD | SWY X | | X Other: Specify _____ |
| | - | - | AKT-22 (2-3) | S 2 Y X | | P Wipe |
| | - | - | AKT-22 (11-12) | S 2 Y X | | |
| | - | - | AKT-22 W | S 2 Y X | | |
| Comments: | | | | | | |
| Relinquished By: <i>Jimmy Fox</i> | Date/ Time 8-15-04 | Received By: <i>M.L. Shook 8/15/04 11:15</i> | | | | |
| Relinquished By: <i>M.L. Shook</i> | Date/ Time 8-15-04 | Received By: <i>M.L. Shook 8/15/04 11:15</i> | | | | |
| LAB USE ONLY: FiberTec project number: Laboratory Tracking: Temperature at Receipt: | | | | | | |

TERMS & CONDITIONS ON BACK

COC Revision: April 2006

RECEIVED ON
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14

FiberTec
environmental
services

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Fax: 810 220 3311

Chain of Custody #
106894
PAGE 3 of 3

| Client Name: | AKT Preress | | | PARAMETERS | Turnaround | Matrix Code |
|--------------------------|-------------|------|---------------------|------------------------------------|-------------------------------------|--------------------------|
| Contact Person: | Jimmy Fox | | | MATRIX (SEE RIGHT CORNER FOR CODE) | 24 hour RUSH (surcharge applies) | S Soil |
| Project Name/ Number: | 6976 F-2-20 | | | # OF CONTAINERS | 48 hour RUSH (surcharge applies) | GW Ground Water |
| | | | | PRESERVED (Y/N) | 72 hour RUSH (surcharge applies) | W Water SW Surface Water |
| | | | | HOLD | Standard (5-7 bus. days) | A Air |
| | | | | | X Other: Specify | WW Waste Water |
| | | | | | P Wipe | O Oil |
| | | | | | | X Other: Specify |
| Purchase Order# | | | | | | |
| Lab Sample # | Date | Time | Client Sample # | Client Sample Descriptor | Remarks: | |
| 8-12-11 | | - | AKT-23 (10-12) | S LY X | | |
| | | - | AKT-24 (4-5) | S LY X | | |
| | | - | AKT-25 (2-3) | S LY X | | |
| | | - | AKT-26 (1-2) | S LY X | | |
| | | - | AKT-27 (8-9) | S LY X | | |
| | | - | AKT-28 (5-6) | S LY X | | |
| | | - | AKT-28 (5-6) mg/mss | S LY X | | |
| | | - | AKT-29 (1-2) | S LY X | | |
| | | - | AKT-29 (3-4) | S LY X | | |
| Comments: | | | | | | |
| Reinquished By: | J. Fox | | | Received by: | J. Fox | |
| Reinquished By: | John Shand | | | Date/ Time | 8/11/04 11:45 AM | |
| LAB USE ONLY: | | | | Date/ Time | Received By Laboratory: | |
| Fibertec project number: | | | | | | |
| Laboratory Tracking: | | | | | | |
| Temperature at Receipt: | | | | | | |

TERMS & CONDITIONS ON BACK

COC Revision: April 2006

REVIDON
ICE



Analytical Laboratory

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Fax: 810 220 3311

Chain of Custody #
106896
PAGE 5 of 5

| PARAMETERS | | | | Turnaround | Matrix Code | | | | | | | | | | | | | | |
|--|------------------------------|------|---|------------|-------------|----------------------------------|--------|----------------------------------|--------------------------|----------------------------------|----------------|-------------------------|-------|--|-------|--|------------------------|--|--------|
| Lab Sample # | Date | Time | Client Sample # | | | | | | | | | | | | | | | | |
| 8-12-11 | | - | Soil Duplicate #4 | S 2 Y X | | | | | | | | | | | | | | | |
| 8-11-11 | | - | Groundwater Duplicate | L 1 Y X | | | | | | | | | | | | | | | |
| 8-11-11 | | - | Trip Blank #1 | L 1 Y X | | | | | | | | | | | | | | | |
| B-11-11 | | - | Trip Blank #2 | L 1 Y X | | | | | | | | | | | | | | | |
| B-11-11 | | - | Methane Blank | L 3 Y X | | | | | | | | | | | | | | | |
| B-11-11 | | - | Ferro Blank #1 | L 3 Y X | | | | | | | | | | | | | | | |
| B-12-11 | | - | Ferro Blank #2 | L 3 Y X | | | | | | | | | | | | | | | |
| 8-11-11 | | - | EQ Blank #1 | L 3 Y X | | | | | | | | | | | | | | | |
| B-12-11 | | - | EQ Blank #2 | L 3 Y X | | | | | | | | | | | | | | | |
| B-12-11 | | - | EQ Blank #3 | L 3 Y X | | | | | | | | | | | | | | | |
| Comments: | | | | | | | | | | | | | | | | | | | |
| | | | | Remarks: | | | | | | | | | | | | | | | |
| <p>RElinquished By: <i>Jimmy Fox</i></p> <p>Requisitioned By: <i>Mike Shad</i></p> <p>Relinquished By: <i>Mike Shad</i></p> | | | | | | | | | | | | | | | | | | | |
| Date/ Time | Received By: | | LAB USE ONLY: Fibertec project number: Laboratory Tracking: Temperature at Receipt: | | | | | | | | | | | | | | | | |
| 8-15-11 | <i>Receivd. Shad 8/15/11</i> | | RCV'D ON <i>8/15/11</i> | | | | | | | | | | | | | | | | |
| Date/ Time | Received By Laboratory | | COC Revision: April 2006 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| <p>MATRIX (SEE RIGHT CORNER FOR CODE)</p> <table border="1"> <tr> <td># OF CONTAINERS</td> <td>5</td> </tr> <tr> <td>PRESERVED (Y/N)</td> <td>X</td> </tr> <tr> <td colspan="2">Other: Specify _____</td> </tr> <tr> <td colspan="2">Remarks:</td> </tr> </table> | | | | | | # OF CONTAINERS | 5 | PRESERVED (Y/N) | X | Other: Specify _____ | | Remarks: | | | | | | | |
| # OF CONTAINERS | 5 | | | | | | | | | | | | | | | | | | |
| PRESERVED (Y/N) | X | | | | | | | | | | | | | | | | | | |
| Other: Specify _____ | | | | | | | | | | | | | | | | | | | |
| Remarks: | | | | | | | | | | | | | | | | | | | |
| <p>Turnaround</p> <table border="1"> <tr> <td>24 hour RUSH (surcharge applies)</td> <td>S Soil</td> </tr> <tr> <td>48 hour RUSH (surcharge applies)</td> <td>W Water SW Surface Water</td> </tr> <tr> <td>72 hour RUSH (surcharge applies)</td> <td>WW Waste Water</td> </tr> <tr> <td>Standard (5-7 bus days)</td> <td>A Air</td> </tr> <tr> <td></td> <td>O Oil</td> </tr> <tr> <td></td> <td>X Other: Specify _____</td> </tr> <tr> <td></td> <td>P Wipe</td> </tr> </table> | | | | | | 24 hour RUSH (surcharge applies) | S Soil | 48 hour RUSH (surcharge applies) | W Water SW Surface Water | 72 hour RUSH (surcharge applies) | WW Waste Water | Standard (5-7 bus days) | A Air | | O Oil | | X Other: Specify _____ | | P Wipe |
| 24 hour RUSH (surcharge applies) | S Soil | | | | | | | | | | | | | | | | | | |
| 48 hour RUSH (surcharge applies) | W Water SW Surface Water | | | | | | | | | | | | | | | | | | |
| 72 hour RUSH (surcharge applies) | WW Waste Water | | | | | | | | | | | | | | | | | | |
| Standard (5-7 bus days) | A Air | | | | | | | | | | | | | | | | | | |
| | O Oil | | | | | | | | | | | | | | | | | | |
| | X Other: Specify _____ | | | | | | | | | | | | | | | | | | |
| | P Wipe | | | | | | | | | | | | | | | | | | |